- S6185-1-4 -

STATE OF

PUBLIC SERVICE COMMISSION

NORTH DAKOTA

NINETY-SIXTH & NINETY-SEVENTH

ANNUAL REPORT

TO THE

GOVERNOR

AND

OFFICE OF

MANAGEMENT AND BUDGET

FOR THE

BIENNIAL PERIOD

ENDING

JUNE 30, 1987

TABLE OF CONTENTS

Page

Letter of Transmittal i

Biographies of Commissioners ii

Organizational Chart vi

Commission Docket 1

How We Serve (Jurisdiction) 2

Division Reports:

- Secretary to Commission 4
  - Data Processing Department 6
- Abandoned Mine Lands 9
- Consumer Affairs 10
- Grain Elevator 10
  - Auctioneers and Auction Clerks 11
- Grants and Contracts Officer 13
- Legal 14
- Public Utilities 17
- Reclamation 19
- Transportation 23
- Weights and Measures 32

Accounting Department Statistical Reports:

- Electric 36
- REA Statistics 39
- Gas Operations 41
- Telephone 46
- Telephone R.T.A. 47
- Motor Carriers 51
- Railroads 56

Program Inventory and Cost Analysis Summary 63

Public Service Commission
State of North Dakota

COMMISSIONERS
Dale V. Sandstrom
President
Bruce Hagen
Leo M. Reinbold

State Capitol
Bismarck, North Dakota 58505
701-224-2400
800-932-2400
Toll Free in North Dakota

Secretary, Janet A. Elkin

The Honorable George Sinner
Governor of North Dakota
State Capitol
Bismarck, ND 58505

Mr. Richard Rayl
Director
Office of Management and Budget
Bismarck, ND 58505

Gentlemen:

As required by law, we submit our Ninety-Sixth and Ninety-Seventh Annual Report for the period ending June 30, 1987.

Respectfully submitted,

Dale V. Sandstrom, President

Bruce Hagen, Commissioner

Leo M. Reinbold, Commissioner

ATTEST:

Janet A. Elkin, Secretary

(S E A L)

DALE V. SANDSTROM

President

Dale Sandstrom, a fifth-generation North Dakotan, was born in Grand Forks on March 9, 1950. He attended the Fargo school system and graduated from North Dakota State University and the University of North Dakota School of Law.

Commissioner Sandstrom worked for the United States Senate under Senator Milton R. Young. He served on the staff of the North Dakota Criminal Justice Commission, specializing in integrity in government. While in that office, he proposed "North Dakota Crime Watch," which became the state's major crime prevention program.

He served as Assistant North Dakota Attorney General for six years, heading the Consumer Fraud and Antitrust Division.

Governor Arthur A. Link appointed him to the Governor's Task Force on Security and Privacy, and to the Governor's Task Force on Refugees. In 1976, Governor Link presented him the "North Dakota Peace Gardener Award," which was then the State's second highest award.

As a member of the 1978 Republican State Platform Committee, he first proposed the "Beginning Farmer Program," which was enacted by the 1979 Legislature.

On May 1, 1981, he became state Securities Commissioner, having been appointed by Governor Allen I. Olson and confirmed by the state Senate.

Effective May 5, 1983, he was appointed to the North Dakota Public Service Commission to fill the vacancy created by the resignation of Commissioner Richard Elkin. In November, 1984, he was elected to a six-year term on the Commission.

Commissioner Sandstrom has studied regulatory law at Harvard Law School and is a graduate of the Regulatory Studies Program of Michigan State University and the National Association of Regulatory Utility Commissioners.

He has served as Chairman of the Governor's Committee on Commercial Air Transportation, and he is listed in Who's Who in American Law, Who's Who in North Dakota, Outstanding Young Men of America, and Who's Who in Railroading and Rail Transit.

Commissioner Sandstrom is a member of the National Association of Regulatory Utility Commissioners and serves on its Committee on Energy Conservation.

He is a Deacon of Trinity Lutheran Church and a member of the Elks, Masons, Shrine, the International Supreme Council of the Order of DeMolay, the American Bar Association and the State Bar Association of North Dakota.

BRUCE HAGEN

Commissioner

Bruce Hagen, one of the three North Dakota Public Service Commissioners, is presently serving his 27th year on the North Dakota Public Service Commission. He was first appointed to the Commission in 1961 by Governor William L. Guy to fill the term of Ernest Nelson. In 1964, Hagen was elected to a six-year term on the Democratic-NPL ballot, and reelected in 1970, 1976, and 1982.

He is a graduate of Devils Lake Central High, attended Devils Lake Junior College and graduated in 1953 from the University of North Dakota with a Bachelor of Arts Degree. Hagen received his Master of Arts Degree in government and economics from the University of North Dakota in 1955, and completed an additional year of advanced study in government at the University of Wisconsin in 1956.

Hagen is a farmer in Benson and Ramsey Counties. He has served as a Deputy Motor Vehicle Registrar for North Dakota and chaired Governor Guy's committee to end the duplicate inspection of North Dakota grain by Minnesota. Hagen was General Chairman for the North Dakota Transportation Planning Committee which assembled a comprehensive transportation plan for North Dakota. Other offices have included: Vice-Chairman of the Upper Great Plains Transportation Institute, located at North Dakota State University, Fargo; Vice-Chairman of the Mid-America Governors' Transportation Council; and President of the eleven-state Midwest Public Service Commissioners Association. He was a member of the NARUC Ad Hoc Committee on U.S.-Canada Energy Supply (1969-1973); and was appointed one of North Dakota's representatives of the Midwestern Governors' Committee on Midwest Energy Requirements and Environmental Protection (Task Force) by Governor William L. Guy in 1972, and reappointed by Governor Arthur A. Link in 1973. In early 1972, he was appointed by Governor Link to the Commission on Commercial Air Transportation. In September, 1974, he was appointed to the Governor's Personnel Appeal Board. He has served on the Executive Committee of the Mid America Regulatory Commission (MARC).

Mr. Hagen is a member of the National Association of Regulatory Commissioners (NARUC). He currently serves as First Vice President of the Association and will become President of NARUC in 1988. Mr. Hagen has served on the Committee on Administration and Personnel and presently serves as Chairman of the Executive Committee and as Chairman of the Committee on Communications of this organization. He has talked to many organizations regarding telecommunications, including the University of Southern California's Graduate School of Business, the United States Telephone Association, the National Rural Telephone Cooperative Association, the University of Texas at Dallas Center for Continuing Education, and the University of Minnesota's Hubert H. Humphrey Institute. Mr. Hagen has also written articles which were published in the North Dakota Law Review, the National Association of Water Companies' WATER magazine, Public Utilities Fortnightly magazine, and the National Telephone Cooperative Association's Rural Telecommunications magazine. Mr. Hagen was also a member of the National Regulatory Research Institute's Board of Directors in 1987.

Bruce Hagen was appointed by Governor Arthur Link as an executive member of the Reclamation of Strip-mined Lands Task Force of the Fort Union Regional Task Force; served as Chairman of the State Intermodal Transportation Team from 1977 to 1980 for Governor Link, and was reappointed Chairman in 1985 by Governor George Sinner. He was appointed by Governor Link to act as a North Dakota contact with the President's Regulatory Council in 1979. Mr. Hagen was elected Chairman of the North Dakota State Personnel Board in September, 1979, and served as Chairman until the summer of 1981. He was named to the Regional Energy Advisory Board of the U.S. Department of Energy in November, 1979; and appointed by Governor Link to the Governor's Economic Development Council in June, 1980. In 1985, Hagen was appointed Chairman of the North Dakota Commission on the Reverend Martin Luther King, Jr. Holiday by Governor Sinner; in 1985, he was appointed to serve on the Western Governors' Association Economic Research Center Task Force; and in 1986 and 1987 was appointed North Dakota United Nations' Day Chairman. In 1985, Commissioner Hagen was

appointed by the Federal Communications Commission to serve on the F.C.C. Alaskan Joint Board (Docket No. 83-1376) and in 1986 to serve on the F.C.C. Uniform System of Accounts Joint Board (Docket No. 86-297). First North Dakota Public Service Commissioner ever to serve on a F.C.C. Joint Board. In June 1987, Governor Sinner appointed him a member of the North Dakota Lignite Research Council.

Hagen has testified many times before Senate and Congressional Committees regarding boxcar supply, rail rates and related transportation problems, energy problems, national strip-mine legislation, and telephone problems.

He served as President of the North Dakota Public Service Commission for two years beginning in 1983. In December, 1983, Hagen was appointed to serve on the Advisory Council for the State Regulatory Communications Study Project conducted by the Annenberg School of Communications, which is a graduate school of the University of Pennsylvania.

Hagen is a Korean War Veteran. He has two daughters, Marin, 18, and Jennifer, 23.

LEO M. REINBOLD

Public Service Commissioner

Leo M. Reinbold, Public Service Commissioner, is in his second six-year term on the Commission having been re-elected in November, 1986. Born on March 24, 1933 at Glen Ullin in Morton County, he grew up and was educated in the public schools in Hebron. He received a Bachelor of Science degree from Dickinson State University, a Master of Science degree from the University of North Dakota, and did some additional graduate work at Pennsylvannia State University.

Reinbold one of eight children, comes from a pioneer western North Dakota coal mining family. Reinbold is married to the former Rose Hegel of Almont. They have three grown children: Brian, Russell, and Mary Jean.

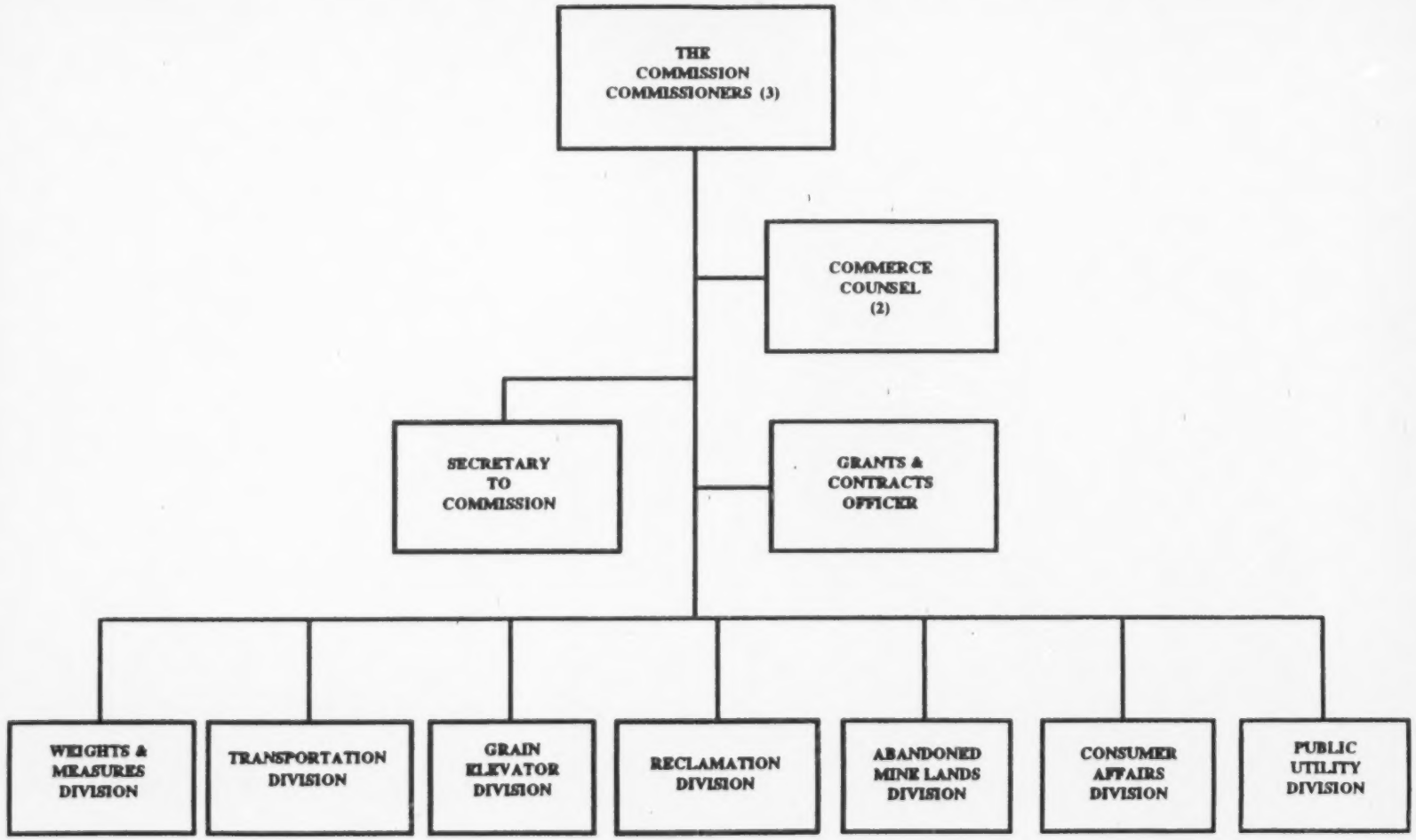
Prior to being elected to the Public Service Commission in November of 1980, Reinbold taught school for twenty-five years in North Dakota and Montana; then another 19 years at Valley City State University where he was the Chairman of the Department of Geography and Title I Director (Title I included the Extension Education Program). Reinbold was also Director of Viking Tours at Valley City State. Other offices that Commissioner Reinbold has held are: Precinct Committeeman; eight years on the Valley City Commission where he held the police, fire, street and sanitation portfolios; Vice-President of the Valley City Commisson; Chairman of the Barnes County Veterans Affairs Committee; Vice-President of the Barnes County Law Enforcement Council; City-County Planning Commission; Director of the Municipal Utilities in Valley City for eight years; United Fund director, Valley City (1968 - 76); school board member; Chairman, St. Catherines Finance Board; member of Parents Council, College of St. Benedict, St. Joseph, MN (1980-84) and United Way State Employee Chairman, 1984 and 1985.

On the North Dakota Public Service Commission he holds the portfolio which includes Gas Utilities, Pipeline Companies, Abandoned Mine Lands and Motor Carriers.

Commissioner Reinbold is active and/or holds membership in the following: Lions Club; Elks Lodge; Eagles Club; Knights of Columbus; North Dakota Public Employees Association; National Rifle Association; North Dakota Planning Association; Association of North Dakota Geographers; North Dakota League of Cities; University of Mary President's Club; Dickinson State University Presidents Advisory Council and Dickinson State University Foundation Board. Reinbold and his wife are also members of the Corpus Christi Parish in Bismarck. Commissioner Reinbold has been named an "Outstanding Educator in America" in 1971, and is listed in "Who's Who in North Dakota"; "Who's Who in the Midwest"; "North Dakota Decision Makers" and "Who's Who in American Politics". He was awarded the "Chief Award" (Distinguished Alumnus Award) from Dickinson State University in 1985.

Commissioner Reinbold is an active member on the Natural Gas Committee of NARUC (National Association of Regulatory Commissioners), he serves on the Gas Committee Legislative Subcommittee, as well as being Chairman of the Advisory Council of the national Gas Research Instutite. He is also past President of the MARC (Mid-America Regulatory Commissioners).

Reinbold is a veteran of the United States Army. He plays golf as a hobby.



NORTH DAKOTA
PUBLIC SERVICE COMMISSION
ORGANIZATION CHART

PUBLIC SERVICE COMMISSION

STATE OF NORTH DAKOTA

FORMAL CASES

The formal docket includes formal complaints and applications involving hearings on motor carrier rates, railroad service, public utility matters, motor carrier authority, plant siting and transmission line routing matters, reclamation violations, and other complaints and applications resulting in investigation and hearings.

The Public Service Commission during the period from July 1, 1985 to June 30, 1987 scheduled 82 public hearings. Sixty-one hearings were held while twenty-one hearings were cancelled or postponed. Sixty-six days of Commission time were devoted to public hearings resulting in 4,064 pages of testimony.

The state of the docket is as follows:

Number of cases docketed July 1, 1985 to June 30, 1987:

Transportation Cases	146
General Cases (Including telephone, electric, gas pipelines, grain warehousing and other storage companies, siting and other miscellaneous matters)	613
TOTAL	759

Number of cases closed June 30, 1987:

Transportation Cases	126
General Cases	573
TOTAL	699

Number of cases pending June 30, 1987:

Transportation Cases	20
General Cases	35
Court Cases on Appeal	5
TOTAL	60

HOW WE SERVE

History of the Commission

In 1885, Dakota Territory established a Board of Railroad Commissioners with general jurisdiction over railroads, sleeping car companies, express companies and telegraph companies. At statehood, the Constitution of North Dakota provided for election of a Board of Railroad Commissioners with powers and duties prescribed by law. In 1940, the names was changed to Public Service Commission.

The Legislature has significantly broadened the duties of the Public Service Commission. Today, the Commission has jurisdiction over railroads, contract and common motor carriers, telecommunications companies, pipeline, electric and gas companies, water and heating companies, grain elevators and warehouses, weights and measures, public auctioneers and auction clerks, siting of energy plants and transmission facilities and reclamation of mined lands.

The Commission does not have jurisdiction over the rates of rural electric cooperatives or most small telephone companies.

Goals

The major goals of the North Dakota Public Service Commission are outlined below:

All North Dakota residents to receive reliable electric service at reasonable rates; North Dakota residents living within gas service areas to receive natural gas service at reasonable rates; North Dakota residents to receive reliable telephone service at reasonable rates; utility services to be provided by financially healthy, efficient utilities companies:; North Dakota residents to receive adequate, reliable transportation services at lowest possible rates; North Dakota farmers to receive reasonable assurance that warehouse receipts and grain checks will be honored, provide the public with safeguards to assure dependable warehousing other than grain storage; provide the public with safeguards to insure proper performance and accounting of auction sales; provide the public with safeguards to insure accurate and honest weights and measurements; reclaim all land strip mined for lignite to standards acceptable under state and federal law; utilize to the fullest extent possible North Dakota's portion of federal reclamation fee collections to convert problem abandoned mine lands to higher and better use; plan the siting of generation and transmission facilities to provide the most reasonable and economical construction to meet energy needs with the minimum environmental impact, least socio-economical impact, and optimum system reliability; provide the public with information relative to matters under PSC jurisdiction; provide assistance to the public in answer to legitimate complaints; promote safety in public transportation and utility services; provide opportunity for citizen participation at public hearings.

Organization

The three Public Service Commissioners are statewide elected officials, each serving terms of six years with one commissioner's term expiring every two years. The commissioners are responsible for the exercise of the powers and duties prescribed to the Public Service Commission under the law.

Each commissioner exercises equal power. Although the workload is divided among the commissioners, they share equal responsibility for each division. The portfolios of the present commissioners are:

Dale V. Sandstrom, President	Electric Utilities Grain Elevators Reclamation Consumer Affairs
Bruce Hagen	Telephone Utilities Traffic Weights and Measures Auctioneers
Leo M. Reinbold	Gas Utilities Pipeline Companies Abandoned Mine Lands Motor Carriers

Secretary to the Commission

The Public Service Commission appoints a Secretary to the Commission, who coordinates operations and communications for the Commission.

Commerce Counsel

The Attorney General is the Attorney for the Commission but based on Commission recommendation has appointed Commerce Counsel to act as legal advisors to the Commission.

Grants and Contracts Officer

The Grants and Contracts Officer deals with Federal programs and funds.

The administration of functions is divided among the various divisions as follows:

1. Abandoned Mine Lands (AML) Division
2. Consumer Affairs Division
3. Grain Elevator Division
4. Public Utility Division
5. Reclamation Division
6. Transportation Division
7. Weights and Measures Division

SECRETARY TO THE COMMISSION

Section 49-01-02 of the North Dakota Century Code provides that the Commission shall appoint a secretary. The commission secretary has the responsibility for directing the day to day administrative functions of the Commission, acting as the overall manager of the Commission and relieving the Commissioners of routine administrative detail.

Specifically, the commission secretary, as the administrative officer of the agency:

1. Serves as the official focal point through whom interested persons and companies under Commission jurisdiction present their requests to the Commission or inquire about specific Commission activity.

2. Certifies and publishes all documents reflecting official acts of the Commission.

3. Functions as the custodian of all official Commission documents, responsible for the maintenance, use and disposition of such records.

4. Processes in an orderly manner all legal matters coming before the Commission; maintains a docket of the cases filed with the Commission; and schedules such matters for hearing.

5. The secretary, as the fiscal manager of the Commission, oversees accounting, purchasing, payroll and budget preparation.

6. Administers the agency's personnel policy as reflected in 1) recruitment and selection of new employees, 2) employee training programs, and 3) performance evaluation.

The Commission has a toll-free information line, 1-800-932-2400, at its Bismarck office to receive inquiries from North Dakota citizens relating to any area of Commission jurisdiction.

The Public Service Commission holds regular Tuesday meetings, barring illness, absence from the city of Bismarck, holidays, or other inability to obtain a quorum, the Public Service Commission meets every Tuesday, at 10:00 a.m. in the Commission Hearing Room on the 12th floor of the State Capitol. The proposed agenda for these meetings is routinely posted in the hallway leading into the Commission offices on the Thursday preceding the meeting. Notice of these regular meetings will be filed with the Secretary of State of North Dakota and will be posted in the Commission offices. The proposed agenda will be mailed on the Thursday preceding the meeting to any news media agency or interested person requesting, in writing, to be placed on a mailing list for that purpose.

If the Commission cannot abide by its regular meeting schedule, or if matters arise requiring its expeditious attention, a special or emergency meeting will be scheduled. Notice of a special or emergency meeting will be given to the news media agencies in the immediate locality of the meeting site which have requested to be so notified.

Copies of orders and other documents in each official case are kept in numbered files open to the public. The file contains applications, motions, briefs, correspondence, orders, and for those cases which involve public hearing, copies of the transcripts and exhibits. Recent cases are retained in original form in the offices on the 12th floor of the capitol while older cases are microfilmed.

Copies of official Commission documents other than hearing transcripts are available upon request for the cost of reproduction. Minutes of the Commission are routinely distributed to the State Library Commission. Following is a list of other data gathered by the Commission and published in print form for public use.

1. Pamphlet describing Commission functions and procedure in major rate cases.

2. List of public utilities, other than auto transportation, serving North Dakota

3. Booklet of rules of practice and procedure before the Commission.

4. Information for utility consumers.

5. Railroad freight commodity statistics.

6. Railroad maps showing existing rail track of railroad companies serving North Dakota.

7. Rail abandonment lists and maps.

8. Tariff filing rules.

9. Motor and rail carrier tariffs (specific information available upon request).

10. Telephone maps of the service boundary area of all telephone companies operating in North Dakota.

11. System maps for regulated electric and gas utilities.

12. Pipeline and transmission line maps.

13. List of ICC rules and regulations governing motor carriers.

14. Special carrier list (freight).

15. Special carrier list (passengers).

16. Class "A" carrier list (freight).

17. Contract carrier list.

18. Special housemovers list.

19. AML standard specifications.
20. Procurement policy.

21. AML rules and relevant statutes.

22. Strip mining reclamation law and rules and regulations.

23. Mine inspection reports.

24. Energy conversion and transmission facility siting act and rules and regulations.

25. Application guidelines for:

    Certificate of site compatibility for an energy conversion facility;

    Certificate of site compatibility for a transmission facility corridor;

    Route permit within a designated transmission facility corridor;

    Definition of terms within application format; and

Guidelines for ten-year plans.

26. North Dakota's Laws and Rules governing the licensing and inspection of Weights and Measures in North Dakota.

27. Portions of the National Bureau of Standards Handbook 44 (specifications, tolerances and other technical requirements for commercial weighing and measuring devices).

28. Instructions for weighing livestock. Published by the United States Department of Agriculture.

29. Laws and Rules Governing Warehousing and Storage.

DATA PROCESSING DEPARTMENT

Overview

The Data Processing Division provides support services to all departments of the Public Service Commission (PSC) and acts as a center for word processing and data processing. Goals of this department are to provide high technology capabilities at a level where non-technical individuals can fully utilize advanced processing systems, equipment, and software.

Word Processing

Word Processing capabilities are performed on an agency wide scale through a multi-function system (Wang VS65). A network or center is physically housed in the Data Processing Department and that department's responsibilities include training and technical support to non-technical individuals in the use of sophisticated equipment.

Data Processing

Computerized programs in the 1983-85 biennium were:

Abandoned Mine Lands Division

The Wang's database software has been used to track bids on AML projects, grant requests and approvals, and preliminary site investigation work such as aerial photography, cultural resource studies, title opinions and appraisals. Memoranda and correspondence written by Division personnel are generated using the Wang VS Word Processing system.

Bid summaries, contract expenditures, drill ticket information and retentions are tracked using Lotus 1-2-3 and DBASE III Plus software.

Mainframe software frequently used include Cuechart to graph project status, DEAR (Data Entry And Review) to calculate and plot material volumes, and Mapper to plot site locations.

Administration Division

The Administrative Division uses Lotus 1-2-3 which generates spread-sheet and analysis capability for management.

The fixed asset inventory is a computerized system used strictly for recording and tracking fixed assets. Output can be generated in various formats to meet state auditor's requirements through the inquiry capabilities.

The case management database provides information on any case to commission personnel. Information available includes a document or entry card that is available on the computer screen or in printed form, project designations, comments by Commissioners or staff, and critical dates. If hearings are scheduled for a case, information about the hearing with specific notations are recorded. When a hearing is complete, transcript data is recorded. The system produces an open case report, a weekly Commission agenda, labels for each document as they are filed, and a label for the file folder.

The 1987 Legislature amended Section 49-05-05, NDCC, requiring a $50.00 filing fee from public utilities defined in this section before some types of cases can be processed. A system was developed to record these fees. Features of this system are: deduction from prefiled balance for companies that file many cases and do not wish to issue a check for every filing, receipts for each filing, and a daily receipt total report.

There is a mailing list database that stores company and individual names, produces labels and letters for mass or individual mailings, and easy maintenance of all lists.

Legal Division

The Legal Division uses the Advanced Text Management System (ATMS) for bill drafting, preparing the Rules of Practice & Procedure and documents using North Dakota Century Code and North Dakota Administrative Code sections. The Storage and Information Retrieval System (STAIRS) is used to perform keyword searches of North Dakota Century Code and North Dakota Administrative Code sections.

Grain Elevator Division

The Grain Elevator Division uses a computerized system to issue and print licenses for grain elevators, roving grain buyers, public storage warehouses, auctioneers, auction clerks, and bank clerks. In order to get a license the company has to pay an application fee. This online program handles the receipting of money, generates a printed receipt and yearly reports with a microfiche copy (for the Historical Society).

Transportation Division

The Intrastate system of the Motor Carrier Division is an online inquiry system which provides PSC related information on all vehicles in North Dakota under PSC jurisdiction to law enforcement agencies (State Radio). Vehicle ID cards and receipts are printed, and reports are generated using this system.

The Interstate program is an on-line system used for the accounting and reporting of payments received from the annual licensing of out of state motor carriers. Receipts are printed and reports are generated using this system.

The Grain Movement System uses an on-line grain movement tracking system for North Dakota originated agricultural commodities. Reports are generated from information received from about 600 elevators, and this data is used to analyze ongoing changes in the grain marketing system, to monitor truck/rail competition in the grain transportation industry, to enhance the shipping services and rates available to North Dakota shippers by providing transportation interests with data which encourages competition. Another objective of this effort is to facilitate continued operation of railroad branch lines.

Reclamation Division

Major systems used by the Reclamation Division include:

1. Data Entry And Review (DEAR) is a complete system designed to generate, manipulate, modify, and plot data which can be represented as a surface. This system is used for either pre or post mine topography maps and evaluation for permit purposes.

2. Permit Status Report (PSR) is a program that processes administrative-type data common to coal mining permits. It scrutinizes the user's retrieval request, retrieves the data and displays it in a set format.

3. Logical Intersection, Union and Relative Difference of Polygons (IURD) program was developed to compute polygon to polygon intersections, unions and relative differences.

4. Data Base is a comprehensive storage and retrieval system for inputting all relevant information on a particular item including its graphic location. This was a joint project of the Reclamation and Siting Divisions.

Public Utilities Division

Accounting uses Lotus 1-2-3 to aid in auditing, budgeting and develops other reports requested by administration.

Major systems used by the Siting Division are described as follows:

1. Data Base is a comprehensive storage and retrieval system for inputting all relevant information on a particular item including its graphic location.

2. GRADS is a generalized system for the storage and retrieval of data relating to geographic entities in graphic form.

3. MAPPER is a sophisticated graphic program designed to aid the Commission in evaluating study areas and generating maps for analysis. An operator is able to evaluate any area at any scale with the incorporation of particular criteria.

4. Base Map is a project involving the digitization of all section corners in the State of North Dakota. All polygon (graphic location) information will then be tied to the base map.

Consumer Affairs

A database has been established for tracking complaints and inquiries about companies under Commission jurisdiction. Information stored includes: name, address, telephone number, company involved, type of complaint/ inquiry, how the complaint/ inquiry was received, description, resolution, and remarks by PSC staff. Other features include a follow up letter, a referral system, and an Electronic Mail system to communicate with Commissioners and staff.

Between October 15 and March 15 of each year, a report showing the number of customers disconnected by Montana-Dakota Utilities, Otter Tail Power, or Northern States Power is generated. A database system has been developed to record these numbers and produce the reports.

Weights & Measures

Payments and charges for inspecting scales, pumps, and meters are now stored on the computer. Features of this system include interactive calculation of a company's balance, daily activity report, and daily accounts receivable report. Each month the computer produces: invoices for uncollected balances, a daily ending balance report, and report on income produced by each inspector broken down by type of equipment tested.

Grants and Contracts

Grants and Contracts uses Lotus 1-2-3 to aid in federal program financial reporting, auditing, budgeting and develops other reports requested by federal grantor agencies.

ABANDONED MINE LANDS DIVISION

The function of the Commission's Abandoned Mine Lands (AML) Division is to implement state and federal law and Commission policy in the reclamation of abandoned mines located in North Dakota. This function is not a regulatory function, but rather a service function pursuant to federal and state law.

On August 3, 1977, Public Law 95-87 became effective. In addition to a current surface coal mining regulatory program, P.L. 95-87 called for states to undertake abandoned mine reclamation. During the 1979 legislative session the North Dakota Legislature passed an abandoned mine reclamation statute now codified at Chapter 38-14.2, N.D.C.C.

Under P.L. 95-87 a reclamation fee of 10 cents per ton of lignite mined in North Dakota has been and is being collected. Half of the reclamation fund is designated as North Dakota's "state share" and the other half is designated as "federal discretionary" funds. On December 23, 1981, North Dakota's AML program was approved by the Office of Surface Mining and Enforcement (OSM), U.S. Department of Interior. This approval allowed the Commission to apply for and accept federal grants of "state share" funds to do AML reclamation and abatement.

No new functions were assigned by law to the AML program during the 1985-1987 biennium. No functions were deleted during the 1985-1987 biennium.

During the 1985-1987 biennium the Commission's AML Division submitted four (4) grant applications to OSM. Two (2) applications were for administrative grants and two (2) applications were for construction grants. All four (4) applications were approved. During the 1985-87 biennium, thirteen (13) AML projects were approved for reclamation by the Office of Surface Mining, twelve (12) projects were started, and ten (10) projects were completed. All incomplete construction projects will carry over into the next biennium. The construction grants from OSM provides federal funds to reclaim these projects.

During the 1985-87 biennium, the AML Division accomplished reclamation of approximately 385 acres at ten (10) AML sites. Reclamation construction projects were completed at the following AML sites: Dakota Star, Havelock, Noonan, South Scranton, Scranton, Palaniuk Pilot, Wilton E, Beulah B, and Beulah D. A reclamation construction project was partially completed at the Lehigh AML Site.

In addition to reclamation construction activity, a variety of reclamation research studies were completed during the 1985-1987 biennium. Geophysical studies to determine the location and extent of underground mine tunnels, revegetation studies to determine the best approach to revegetating AML sites that have little or no topsoil, groundwater studies to characterize groundwater conditions at AML sites and predict potential consequences of reclamation projects, wildlife habitat studies and historical studies to summarize the history of coal mining in North

Dakota and gather available site-specific historical data on abandoned coal mines were all completed during the 1985-1987 biennium. Studies begun but not completed during the biennium include comprehensive groundwater and radiation surveys of uraniferous lignite AML sites.

Because OSM has assumed responsibility for funding of reclamation research projects, it is unlikely that significant funds will be devoted to "study" work in future bienniums. Construction projects will continue to focus on identified high priority problem areas. As reclamation projects are completed North Dakota's AML Inventory will be updated to elevate unsolved problems onto the priority list.

Difficulties encountered are typically those of an immature construction program in an agency with minimal procurement and construction experience. For example, drafting of construction specifications, following appropriate procurement procedures, handling award disputes, and improving the existing contract administration system are responsibilities requiring continual upgrading.

Program work remains for several years. Plans are to annually submit construction and administrative grant applications and maximize use of human and financial resources for actual reclamation construction.

CONSUMER AFFAIRS DIVISION

A Consumer Affairs Division was formed in February 1985, to deal more directly with consumer problems and to facilitate public participation and awareness of Public Service Commission involvement with consumer concerns. The division's primary responsibility is to resolve disputes between utilities and consumers. For example, consumers faced with utility disconnects often seek help from the Consumer Affairs Division to negotiate payment arrangements. Consumer Affairs may also mediate disputes over billing, deposits and service problems. Most consumer contacts and disputes are resolved without requiring the consumer to file a written complaint or visit the Commission's offices. This division takes the necessary action to correct the complaint or to provide responses to inquiries or requests for information.

The number of contacts by consumers has increased substantially during the biennium, particularly due to the implementation of an incoming toll-free WATS line in June of 1983. The addition of a WATS line has proven to be a valuable tool in acquiring public awareness and response and has given the public an economic choice as to a method of contacting the Commission.

GRAIN ELEVATOR DIVISION

Under Chapter 60-02 of State law the Public Service Commission is charged with the general supervision of the public warehouses of this State including the handling, weighing and storing of grain and the management of public warehouses. The North Dakota Public Service Commission has jurisdiction over the licensing and bonding of auctioneers and clerks, a responsibility given to the Commission by the 1957 Legislature and assigned to the Grain Elevator Division in January 1986.

Public Warehouse

License fees for a public warehouse are $130.00 minimum for a bushel capacity of 200,000 or less, $260.00 for a bushel capacity of 200,001 through 500,000 and $360.00 maximum for a bushel capacity of 500,001 or more. Bond requirements are one dollar per bushel of capacity to 500,000 bushel and 20¢ per bushel over 500,000 capacity.

The general objective of the grain elevator division is to insure the redelivery of the grain stored if requested or the payment of money for the grain if purchased. The bond and the other requirements needed to obtain a license tie in with this objective. Insurance certificates must be filed annually. A copy of the warehouse receipt and scale ticket are filed with the license application. Public warehouse licenses are renewed as of July 31. A list of the grain stored along with a copy of the credit-sale contract form are also filed with the license renewal.

The number of licensed public warehouses over the past six years is listed below:

1.	1981	590
2.	1982	578
3.	1983	582
4.	1984	591
5.	1985	580
6.	1986	585

Storage capacity of the licensed public warehouses for the year 1987 totaled 252,393,241 bushels.

Under Chapter 60-04 in the event of insolvency of a licensed public warehouse the Public Service Commission becomes the trustee of a fund established from the sale of all of the grain in the warehouse. The Commission must apply to the district court for authority to act as trustee. Proceeds of the grain sale are deposited in the Bank of North Dakota. If more grain claims are filed than the amount received from the proceeds of the sale of grain, the bond funds are available. Funds from the sale of grain and bond proceeds are prorated to the claimants.

From July 1, 1985 through June 30, 1987, the Public Service Commission Grain Elevator Division was appointed trustee in the following grain warehouse insolvencies.

	Elevator	Date Appointed Trustee
1.	Jamestown Farmers Elevator	December 9, 1985
2.	Hatton Commodities	September 9, 1985
3.	Regan Farmers Union Coop.	May 14, 1986
4.	Zeeland Farmers Union Coop. Assn.	August 14, 1986

Roving Grain and Hay Buyer

Under Chapter 60-03 any person other than a public warehouseman who buys grain or hay from the owners for resale or markets grain or hay on behalf of the owner must obtain a roving grain and hay buyer license. This requirement does not include a person buying grain or hay from a licensed warehouse in this state.

The license fee for a roving grain and hay buyer is $50.00 with the bond required being $50,000. The Commission may prescribe a higher bond. This bond does not occur to the benefit of any person entering into a credit-sale contract with a roving grain or hay buyer. A roving grain or hay buyer must file with the Commission a bond in such sum as the Commission may prescribe but not less than $50,000 if he enters into a credit-sale contract. As of June 30, 1987, there were thirty-two licensed roving grain and hay buyers in North Dakota.

Public Storage

Under Chapter 60-07 those warehouses that are licensed to provide public storage of any goods other than grain in bulk must obtain a warehouse license. As of June 30, 1987, there were forty-six licensed warehouses. The license fee required is $10.00 and the bond amount is $5,000.

Auctioneer and Auction Clerks

The changes made by the 1975 Legislative Session evolved from the concern of the Public Service

Commission and the Auctioneers Association with the practice of clerking sales without an adequate bond to protect the owner. As a result of the efforts of the Public Service Commission and the Auctioneers Association, the Forty-Fourth Legislative Assembly repealed Chapter 51-05, Auctioneer's and Auction Sales, and enacted Chapter 51-05.1 of the North Dakota Century Code, relating to auctioneers and auction sales, and the licensing of auctioneers and clerks.

Key provisions of this Chapter are that all auctioneers and clerks licensed by the Public Service Commission must be at least 18 years of age and have a good reputation for honesty, truthfulness and fair-dealing.

No license is to be issued to an auctioneer unless he or she has (a) been actively engaged in auctioneering at least one year prior to July 1, 1975; or (b) completed an approved course of training relating to auctioneers; and (c) not had his or her license revoked in this or any other state within the past two years.

The application for license and bond must be filed at least 10 days prior to the date such applicant is to conduct or clerk his first auction sale. Auctioneers must file a $3,000 surety bond and clerks a $10,000 bond with every original application, along with a $35.00 license fee. All licenses expire on December 31. Federally insured financial institutions must be licensed to clerk sales; they need not file a bond. The name and license number of the auctioneer and clerk shall appear on all advertising of sales.

The auction clerk is required to maintain a separate escrow or trust account in this state, except a federally insured depository located outside the state but licensed as a clerk in this state is not required to deposit funds in a depository in this state if auction sale funds are deposited in a separate trust account designated as such in the licensee's depository. No clerk shall commingle his personal funds or other funds in a trust account except that a clerk may deposit and keep a sum of one hundred dollars in such account from his personal funds, identified and deposited to cover service charges related to the trust account. All books and records are to be open for inspection at any time by the Commission. For the period July 1, 1984 through June 30, 1986, 947 auctioneer licenses and 721 clerk licenses were issued.

The Public Service Commission, either on its own motion or upon verified complaint, may investigate the activities of any licensee, or other person, and may suspend or revoke any license if violations have occurred. Among the grounds for suspension or revocation of a license, or denial of a license to an applicant, are the making of false statements to the Public Service Commission; mishandling of the accounts and records of a sale; having a criminal record involving offenses of the nature of fraud or larceny; failure to produce records for the Commission; or violating any other provision or rule relating to the license.

Revocation or suspension of a license involves observance of the procedures of the Administrative Agencies Practices Act (Chapter 28-32), which includes drafting complaints, hearing procedures and the right to appeal any decision of the Commission.

The law also establishes a procedure for a hearing in the event an applicant is denied a license. The Public Service Commission must give notice to the applicant and, if requested, set a hearing. The applicant has 20 days to request the hearing, and the Public Service Commission then has 20 days to notify interested or protesting persons. The hearing must be within 60 days of the applicant's request.

On August 19, 1986, the Commission denied an application for auctioneer's license based on Section 51-05.1-02, NDCC and 69-08-01-02 Rules of Practice and Procedures. A Request for Hearing was received from the applicant and a hearing held on December 1, 1986, in Commission Hearing Room, State Capitol. On January 20, 1987, the Commission issued an Order affirming the previous denial.

The Public Service Commission is required to provide a list of all persons licensed under this Act to the Clerk of the District Court in each county by April 1 of each year. The list is also to be mailed to all those requesting it.

Persons exempt from licensing or bonding under this section must comply with all other provisions of this chapter although a license is not required for the following:

1. Sale of an estate by an executor or an administrator.
2. Sale by a sheriff or other person under court order.
3. Sale by a public official acting in an official capacity.
4. Sale of purebred or registered livestock.

Any person violating any of the provisions of Chapter 51-05.1 shall be guilty of an infraction.

The goals of the Grain Elevator Division relating to public warehousing and auctioneering are to:

1. Provide North Dakota with reasonable assurance that warehouse receipts and grain checks will be honored.
2. Provide the public with safeguards to assure dependable warehousing other than grain storage.
3. Provide the public with information relative to matters under Public Service Commission jurisdiction.
4. Provide the public with safeguards to assure reliable licensed and bonded auctioneers and auction clerks.
5. Provide assistance to the public on answers to legitimate complaints.

GRANTS AND CONTRACTS OFFICER

The Grants and Contracts Officer deals with federal programs and funds. The primary responsibilities of the Grants and Contracts Officer is the development of program grant applications and contract administration for the reclamation of abandoned mine lands, surface coal mine regulation, and gas pipeline regulation. Administration of these federal funds include financial planning and budgeting, cash management, procurement, financial and compliance reporting, project contract management, and auditing.

During the 1985-87 biennium the following grant applications were developed and administered for the Commission's federal programs.

Program Name		Amount
1985 AML ND Reclamation - Admininstrative	$	239,578.
1986 AML ND Reclamation - Administrative		207,680.
1986 AML ND Reclamation - Construction		242,482.
Palaniuk Mine Project - Construction		972,965.
1986 ND Permanent Program - Administrative		630,563.

1987 ND Permanent Program - Administrative	630,125.
1985 ND Gas Pipeline Safety Program	45,315.
1986 ND Gas Pipeline Safety Program	46,691.
1987 ND Gas Pipeline Safety Program	64,388.

The Grants and Contracts Officer managed 35 contracts during the 1985-87 biennium for the abandoned mine lands program. The contracts were primarily heavy construction and technical services for reclamation of abandoned coal mines.

The Grants and Contracts Officer negotiates an indirect cost rate for the Commission with the Department of Interior, Office of Inspector General. The approved indirect cost rate for the 1985-87 biennium was 23.6%. This indirect cost rate reimburses the state for administrative services for the federal programs.

A federal audit was conducted by the State Auditor's Office for the years ended June 30, 1986 and June 30, 1985. No audit findings were reported for the federal programs.

Grant application packages will be developed as needed for submission to the federal agencies for the life of the program. Federal requirements include semi-annual financial and performance reporting.

LEGAL DIVISION

Section 49-01-09 of the North Dakota Century Code requires the Attorney General to be ex-officio Attorney for the Commission and personally or through commerce counsel represent the Commission in any proceeding which the Commission deems proper and expedient.

The legal division consists of two commerce counsel and a secretary. Legal division duties include rate case advocacy and advice to the Commission regarding rate case decisions; appellate representation of the Commission and advice to the Commission and its staff; enforcement of Commission decisions and relevant laws and rules; representation of the Commission before other State and Federal agencies; and support for the Commission's legislative activities.

The legal division represents the Commission on all matters within its jurisdiction. Federal agencies in which the legal division represents the Commission include Department of Energy, the Interstate Commerce Commission, the Federal Communications Commission, the Federal Energy Regulatory Commission, and the Department of Interior.

The legal division participated in over 60 cases heard before the Commission during the biennium and represented the Commission in many cases in State and Federal Courts. The legal division also drafts Attorney General opinions at the request of the Attorney General.

During the biennium, the Commission was involved in many significant legal proceedings. Some of the more notable proceedings include the following:

I. MAJOR ADMINISTRATIVE CASES

A. Rate Cases:

1. Case No. I0,733 - Application of Montana-Dakota Utilities Co. for authority to establish increased rates for gas service - appealed to the North Dakota Supreme Court.

2. Case No. 10,799 - Application of Montana-Dakota Utilities Co. for authority to establish increased rates for electric service - appealed to State District Court.

3. Tax Reform Act of 1986. The Commission directed eight North Dakota utilities to file information on the effect of this act on their revenue requirements for their North Dakota operations.

B. Authority Cases:

1. Case No. 10,740 - Montana-Dakota Utilities Co. application to provide electric service to Gordon Putnam. Mountrail Electric Cooperative, Protestant.

2. Case Nos. 10,884, 10,918, 10,952.
In the matter of the complaint by Cass County Electric Cooperative, Inc., a cooperative corporation, Complainant, vs. Northern States Power Company, a corporation, Respondent. These cases involve a territorial dispute in the City of Fargo. Case No. 10,884 was appealed to the North Dakota Supreme Court, Civil No. 870163.

3. Auctioneer - Case No. 10,497 and 10,866 - hearings were requested on denial of two auctioneer license application. After hearing the applications were denied.

C. DEREGULATION:

1. Case No. 10,823 - In the Matter of the Applicatioan of Northwestern Bell Telephone Company to deregulate service including central office business systems, private line services, special access, pay telephones, improved mobile telephone systems, and all new product and service offerings.

2. Case No. 10,673 - In the Matter of the Investigation of the North Dakota Public Service Commission on its Own Motion of Shared Use Tariffs and Telephone Service Provided in North Dakota and the Reselling of Telephone Service in North Dakota.

D. RULEMAKING

1. Reclamation - Case Nos. 10,688, 10,794, 10,824 and 10,898 - relating to performance standards and liability insurance.

2. Weights and Measures - Case No. 10,790 - resulting from SB 2455, 1985 session, governing licensing and inspection of accuracy of oil and gas meters used in measuring commingled production from wells of diverse ownership for purpose of allocation.

3. Transportation - Case No. S-2416 - resulting from statutory changes by 1985 legislative assembly and to eliminate duplication with federal rules adopted by reference by the North Dakota Highway Patrol.

4. Utilities - Case No. 10,793 - relating to gas safety.

E. ENFORCEMENT OR INVESTIGATIONS:

1. Case No. 10,949 - In the matter of the investigation on the Commission's own motion regarding the proposed sale of Burlington Northern Railraod Company rail lines in Southeastern and Central North Dakota.

2. Case No. I0,930 - In the matter of the application of Z-Tel, Inc., Everett, Washington, for registration for certification as a reseller of intrastate toll telecommunications service.

3. Case No. I0,921 - In the matter of the issuance of notice of violations of the State's minimum gas pipeline safety standards by the City of Portal, North Dakota.

II. TRUSTEESHIPS

A. Elliott Grain - Case No. I0,755, U.S. Bankruptcy Court:
Bankruptcy No. 85-05205, Adversary No. 85-7085. Pending.

B. Jamestown Farmers Elevator - Case No. I0,772.
Stutsman Co. District Court No. 6753. Appealed to Supreme Court - No. 870214. Pending.

C. Hatton Commodities, Inc. - Case No. I0,757.
Traill Co. District Court No. 8548. Satisfaction of Judgment entered in May of I987.

D. Regan Farmers Elevator - Case No. I0,815.
Burleigh County District Court Civil No. 38568. Pending.

E. Zeeland Farmers Elevator - Case No. I0,851.
Satisfaction of Judgment entered in May of I987.

F. Central States Grain Company - Case No. I0,491.
PSC discharged as trustee in May, I986.

G. Dakota Bean - Case No. I0,709.
Judgment entered November II, I986

H. Valley Farmers Bean - Case No. I0,377.
Judgment entered January of I986.

III. APPEALS

A. Case No. I0,733 - Application of Montana-Dakota Utilities Co. for authority to establish increased rates for gas service. District Court decision appealed to Supreme Court. Supreme Court No. 870015. Pending.

B. Case No. I0,799 - Application of Montana-Dakota Utilities Co. for authority to establish increased rates for electric service. Appealed to Burleigh County District Court; Civil No. 39225. Pending.

C. Case No. S-2435 - Application for Special Certificate of Public Convenience and Necessity to authorize transportation of commodities in bulk with certain exceptions, between points in North Dakota. Cass County District Court Civil No. 87-492.

D. Case No. S-2350 - Application of American Freight Systems, Inc., Overland Park, Kansas, for a Special Certificate of Public Convenience and Necessity.

E. Jamestown Farmers Elevator - Case No. I0,772 - appealed to the Supreme Court, pending.

F. Complaint by Cass County Electric Cooperative, Inc., vs. Northern States Power Company; Case No. I0,884.

IV. FEDERAL COURTS AND AGENCIES

A. Federal Energy Regulatory Commission -

1. RP86-I0-000, CP82-487 et al
Williston Basin Interstate Pipeline Company,

2. RM85-I-000 - Regulation of Natural Gas Pipelines After Partial Wellhead Decontrol. (Block billing rulemaking)

3. RM85-I7-000 - Regulation of Electricity
Sales-for-Resale and Transmission Service.

B. Federal Communications Commission

1. No. 80-286 - Amendment of Part 67 of the Commission's Rules and Establishment of a Joint Board (Separations).

2. No. 83-I376, regarding telephone rates and regulation in Alaska.

3. No. 85-229 - Amendment of Sections 64.702 of the Commission's Rules and Regulations (3rd Computer Inquiry) and Policy and Rules Concerning Rates for Competitive Common Carrier Services and Facilities Authorizations Thereof.

C. U. S. Supreme Court - cert. denied - CSX Merger

D. U. S. Court of Appeals, District of Columbia circuit - Case No. 85-I565, National Association of Regulatory Utility Commissioners, Petitioner, vs. Federal Communications Commission and United States of America, Respondents.

E. Interstate Commerce Commission
(contracts - rr)
rulemaking

A. U.S. Bankruptcy Court: Elliott Grain - grain elevator insolvency, Bankruptcy No. 85-05205, Adversary No. 85-7085.

PUBLIC UTILITIES DIVISION

The Public Service Commission, as part of its general jurisdiction under Title 49, NDCC, has regulatory authority: over the intrastate operations of North Dakota telephone utilities; over the intrastate rates and services of privately owned electric, gas and radio common carrier utilities; over certain safety matters relating to the intrastate operations of electric, gas and telephone systems; and over the siting of all qualifying energy conversion and electric and pipeline transmission facilities.

The Commission's routine activities in these areas of responsibility are handled by the Public Utilities Division. This division consists of six employees. It operates as a technical advisory group on matters relating generally to rates, services, safety, siting, and other miscellaneous matters. Rate studies and special investigations of matters relating to regulated utilities are conducted on a regular basis and involve both accounting and engineering personnel of the division. The accounting personnel are involved in auditing activities of other divisions, particularly those of the grain elevator division insolvencies.

One of the responsibilities of the public utilities division is the maintenance of a complete tariff file containing all the rates and regulations of regulated gas, electric, telephone and radio common carrier utilities. The division is also responsible for promulgation, revision, and interpretation of Commission standards for service and safety of the regulated utilities. Any proposed revisions in existing tariffs or new tariffs are investigated by the its technical staff before presentation with its recommendation for Commission action. During the biennium approximately 365 revised or new tariff filings were handled by the department. In addition, the public utilities division staff responded to approximately 3,000 information requests relating to utility operations in the state.

This division is also involved extensively in general rate proceedings, including investigative activities primarily in areas of accounting, depreciation, allocation, cost studies, and rate design. There were three such cases handled during the biennium.

Although the division is responsible for various safety aspects of regulated electric, gas and telephone systems, its primary area of effort during the biennium was in and natural gas safety. During the biennium approximately 29 investigations were made.

In the area of siting, the Public Utilities Division is involved in the assessment of environmental, agricultural, social, and technical acceptability of industry proposed sites, corridors, and routes through staff investigations and information gathered in the public hearing process. It also monitors and enforces conditions set by the Commission for construction and operation of authorized energy conversion and transmission facilities.

The general goal of the Public Utilities Division is to assure that adequate and safe service is provided on a nondiscriminatory basis to consumers of all regulated utilities at rates and charges that are just and reasonable.

During the 1985-1987 biennium, the following certificates and/or construction permits were issued.

Table I TRANSMISSION FACILITIES

Case No.	Applicant	Cert No.	Permit No.	Type of Facility	Size of Facility
10471	MDU/Basin	51/52		Electric Line	230KV
10720	Matador	54	59	Crude Oil Pipeline	4 1/2"
10759	OPC	47	47	Crude Oil Pipeline	6"
10797	Lakehead	54	61	Booster Station	18"
10860	Williston/ Basin	55	62	Natural Gas	3"
10926	Williston/ Basin	56	63	Natural Gas	12 3/4"

KEY

Lakehead -	Lakehead Pipeline Company
Matador -	Matador Pipe Line Company
MDU/Basin -	Montana-Dakota Utilities Co./Basin Electric Power Cooperative
OPC -	Okie Pipeline Company District
Williston/ Basin -	Williston Basin Interstate Pipeline Company

COMPUTERIZATION PROGRAM

The Siting Act, Section 49-22-05.1, mandates that the Commission assemble and publish an inventory of exclusion and avoidance areas, and other siting criteria. This was done in 1976. The Commission was also given continuing responsibility to evaluate and update said inventory. The Commission is in the process of computerizing this inventory, and feels there are significant benefits to be derived therefrom.

The large volume of information contained in the inventory and the updating difficulties inherent in the existing system will be more readily managed with computerization.

The computer's mapping system will provide greater versatility and accuracy. At the present time the inaccuracy for any given point to be mapped within the State of North Dakota is not more than 12%. The final error will be less than 2% when the project is completed. The ability of the system to display one or all of the criteria for any given area as small as a quarter section to as large as the entire state allows greater versatility when evaluating any given area.

The computer system will allow updates and corrections to be made very quickly and easily. This leads to a system which is potentially as current as the information the Commission obtains through its cooperative agreements with the agencies whose jurisdiction the criteria encompasses.

This system will provide the ability for other agencies to access information which may be applicable in their corridor examination concerns.

Presently such information consists of State Park and Recreation's data concerning rare and unique plant species and animals, Historical Society's data on archeological and paleontological sites, Fish and Wildlife water fowl production areas, and Water Commission data for Dams. Other advantages also realized are the ability to quickly store, manipulate, and search the very large amounts of information.

The Public Utilities Division has completed the expensive portion of the project, which is the developement of the extensive library of programs necessary to properly handle the data. The most difficult portion of the project, which is nearing completion, is the initial input of extremely large amounts of data.

The computer is also very helpful for calculating electric and magnetic field strengths. When examining an application for an electric transmission facility, the process of calculating the strengths and graphing them would require many days without the use of a computer. With the computer's assistance the process only takes a couple of hours.

It is our intent to complete the computerization of the basic inventory and to develop a number of program refinements during the next biennium which will result in improved efficiency for preparing and processing future siting and routing applications, and a potential for use in other areas of Commission jurisdiction.

RECLAMATION DIVISION

The Public Service Commission is responsible for the administration and enforcement of the law and rules governing the reclamation of lands surface-mined for coal. The law is Chapter 38-14.1 (Surface Mining and Reclamation Operations); the rules implementing the law are codified as Article 69-05.2, NDAC. The Commission is also bound by certain requirements of Chapter 38-18, NDCC (Surface Owner Protection Act).

The continuing goal of the Reclamation Division is to ensure that all lands surface-mined for coal and leonardite are reclaimed by mine operators to the standards required under state and federal law. These standards are contained in a comprehensive regulatory program developed by the Commission and approved by the United States Department of the Interior. The program also covers retail coal dealers who purchase run-of-mine coal from a mine and crush it on their own premises prior to selling it. Approximately 60% of the cost of the regulatory program is paid for by the federal government in the form of annual grants.

The work of the regulatory program is divided into two primary areas: 1) review and evaluation of mining permit applications; and 2) inspection and enforcement. This work is carried out by a professional staff trained in agriculture, the sciences and engineering.

An important change in the regulatory program was the adoption of rules in January 1987 allowing an operator to relate the amount of suitable plant growth material to be salvaged for respreading to the chemical and physical properties of the underlying spoil material. The new rules can result in cost savings at some mines.

Performance bond availability for surface coal mining operations emerged as a potentially serious problem during the biennium. The 1987 Legislative Assembly approved changes in the State's reclamation law to help alleviate the problem, and also created a surface mining and reclamation bond fund. Numerous changes proposed by the Reclamation Division to State performance bond rules were under consideration by the Department of the Interior at the end of the biennium.

The development of revegetation guidelines, a lengthy project aimed at creating specific procedures for sampling and measuring vegetation and standards for evaluating revegetation success for North Dakota's mined lands, moved a step closer to fruition. The draft document was completed early in 1987 and was under review by the Department of the Interior at the end of the biennium.

Periodic adjustments to the program will be necessary over the years in order to incorporate changes mandated by the federal government, the courts, the Legislative Assembly, and the results of long-term scientific and agricultural research in North Dakota. Regulatory program adjustments mandated by the federal government (many in response to Court orders) will again be prominent over the next two years and will be preceded by rulemaking proceedings, including comprehensive technical public hearings.

Tables 1 and 2 provide information on the inspection and enforcement component of the regulatory program. Tables 3, 4 and 5 contain details of the Division's permitting and bond release activities and an historical summary by county of acreage put under permit for surface mining. Table 6 lists 1985-87 coal and leonardite production by mine as well as by fiscal year. Total production for the 1985-87 biennium increased 11.3% over that for the 1983-85 biennium, reflecting full-time operation of the Great Plains Gasification Associates coal gasification facility north of Beulah in Mercer County. The coal requirements of the Great Plains facility more than compensated for a boiler explosion at the Coal Creek Station late in 1986 that cut coal production at the Falkirk Mine, and generally flat economic conditions throughout the State during the biennium.

Table 1.

Mine Inspection, 1985-87

Period	Inspection Type Partial	Complete
7/1/85-9/30/85	458	68
10/1/85-12/31/85	412	68
1/1/86-3/31/86	256	115
4/1/86-6/30/86	267	75
7/1/86-9/30/86	312	80
10/1/86-12/31/86	261	71
1/1/87-3/31/87	244	88
4/1/87-6/30/87	324	73
Totals	2534	638

Table 2.

Notices of Violation, 1985-87

NOV No.	Case No.	Operator	Penalty	Remarks
8601	10,811	Baukol-Noonan, Inc.	$100	
8602	10,826	Basin Coop. Services	none	
8701	10,932	Basin Coop. Services	$200	
8702	10,937	Baukol-Noonan, Inc.	$100	
8703	10,936	N. American Coal Corp.	$350	
8704	10,942	Dakota Wholesale Mud	--	pending
8705	10,944	Sheep Creek	none	
	Total	$750		

Table 3.

Mining Permits Issued, 1985-87

Permit No.	Operator	Location	Acres
NAFK-8405	Falkirk Mining Co.	Falkirk	3399.766
GPGA-8502*	Great Plains	Beulah	37.730
NACT-8503	Coteau Properties	Beulah	2052.184
NAIH-8504	N. American Coal Corp.	Zap	607.954
BNCR-8602	Baukol-Noonan, Inc.	Center	402.000
KRSB-8603	Knife River Coal	Beulah	1030.200

*ash disposal

Table 4.

Acres Permitted by County
November 1, 1969 through June 30, 1987

County	Acres	Percent of Total
Mercer	20,449.2	41.5
McLean	11,142.7	22.6
Oliver	9,352.8	19.0
Bowman	3,977.8	8.0
Burke	1,835.4	3.7
Ward	1,322.2	2.7
Stark	359.9	
Mountrail	297.5	
Adams	292.6	
Williams	163.8	2.5
Grant	56.1	
Divide	2.0	
Morton	1.0	
Totals	49,253.0	100.0

Table 5.

Acreage Totally Released from Performance Bond
November 1, 1969 through June 30, 1987

County	Acres	Percent of Total
Mercer	1,266.5	43.1
Burke	721.3	24.5
Oliver	570.1	19.4
McLean	274.9	9.3
Williams	36.7	
Ward	36.6	
Stark	22.1	3.7
Bowman	11.3	
Morton	1.0	
Totals	2,940.5	100.0

Table 6.

North Dakota Coal Production by Mine
July 1, 1985 - June 30, 1987 (short tons)

Mine	Operator	FY 1985	FY 1987	Total
Glenharold	Basin Coop. Servs.	1,740,659	1,157,757	2,898,416
Center	Baukol-Noonan	3,354,310	3,559,142	6,913,452
Larson	Baukol-Noonan	36,934	7,791	44,725
Velva	Consolidation Coal	126,408	39,991	166,399
Freedom	Coteau Properties	8,789,730	10,295,409	19,085,139
Falkirk	Falkirk Mining Co.	5,475,223	4,676,090	10,151,313
Royal Oak*	Royal Oak*	226,920	209,800	436,720
Beulah	Knife River Coal	2,863,307	2,255,036	5,118,343
Gascoyne	Knife River Coal	1,885,944	1,832,046	3,717,990
Indian Head	North American	1,133,177	1,300,576	2,433,753
GeoResources**	GeoResources	25,578	16,758	42,336
Sheep Creek	Sheep Creek	-	1,440	1,440
	Totals	25,658,190	25,352,016	51,010,206

* formerly Husky Mine and Husky Industries, respectively

** leonardite operation

TRANSPORTATION DIVISION

The North Dakota Public Service Commission regulates commercial motor carriers and railroads that operate in North Dakota. This regulation encompasses the granting of intrastate operating rights, reviewing intrastate rates to determine reasonableness, licensing interstate carriers to operate in the state, and representing State shipping interests before Congress and federal agencies such as the Interstate Commerce Commission.

The Commission merged the Motor Carrier and Traffic Divisions into the Transportation Division on January 1, 1985. The Division's four employees help the Commission fulfill the following statutory responsibilities:

1) Process applications for intrastate operating authority from motor carriers of freight and passengers.

2) Process annual renewals of authority for both intrastate and interstate motor carriers that conduct business in North Dakota.

3) Regulate the intrastate rates charged by regulated motor carriers and railroads.

4) Represent the transportation interests of the state and its shippers before federal agencies and Congress.

5) Work with the Highway Department to jointly administer federal rail assistance funds granted the state.

6) Work with the Highway Department to jointly administer the state's rail crossing safety program.

7) Serve as an ombudsman to resolve problems encountered by state shippers and consignees.

As of June 30, 1987, the Commission regulates 18 Class "A" motor carriers, 188 common motor carriers, 64 contract motor carriers, 34 common motor carriers of buildings and 8000 registered Interstate Commerce Commission motor carriers. In addition to motor carriers, three railroads come under the jurisdiction of the Commission. These carriers operate 1563 miles of mainline and 2793 miles of branchline trackage in North Dakota. There are approximately 5400 public rail grade crossings in the state that come under the joint jurisdiction of the Public Service Commission and the Highway Department.

A primary goal of the Transportation Division is to insure that North Dakota shippers receive adequate and reliable transportation services at the lowest possible rates. This goal is, however, tempered by the Division's recognition that the long-term provision of such services is dependent upon the carriers' ability to generate revenues sufficient to promote carrier health and financial viability. The Division, therefore, attempts to regulate carriers in a manner which balances the public's desire for low rates and high levels of service and the carriers' quest for maximum profits; economic realities and long-term public welfare are key considerations.

The Transportation Division also serves as an ombudsman relative to dispersing information on matters which come under the Division's jurisdiction and in investigating complaints received regarding motor and rail carriers. The degree of activity entailed by these functions will be exemplified in the narrative which follows.

The 1985-87 biennium provided the Transportation Division with many challenges, especially in the area of monitoring and reacting to federal transportation legislation. The early 1980's brought major pieces of congressional legislation that lessoned regulatory restrictions on interstate transportation by truck, bus, and rail carriers.

This legislation has had a direct impact on North Dakota. Much of the State's ability to regulate bus companies and railroads is now preempted by federal law. As a result, it may cost nearly as much to travel by bus from Pembina to Beach as it does to go from Bismarck to Boston.

Deregulatory legislation has been tempered with provisions to protect "captive shippers" from monopolistic abuse. The administrative policies of the Interstate Commerce Commission have, however, failed to promote competition or provide adequate relief mechanisms for captive shippers. The impacts of federal rail deregulation have been generally positive. Overall, rail rates are down and equipment supply is up. The full impacts of rail deregulation will not be known until the supply and demand situation of world grain and rail equipment reverse themselves. Administrative, legal and legislative efforts to correct the ICC's actions continue.

In an attempt to further encourage competition the Commission has continued to improve and maintain its grain movement data reporting system. This system collects monthly data on how grain elevators ship grain to market. The computerized system can provide rail versus truck and Soo Line versus Burlington Northern shipment data by commodity, by origin and by destination. This information makes detailed comparisons possible and can, in turn, be used to create carrier awareness of how they and their competitors are sharing North Dakota's grain transportation market. Rate and service competition have and should continue to be the result.

A new era began in the state in the early 1980's when the Burlington Northern and Soo Railroads, in direct response to inter-regional competition from the Union Pacific Railroad and the prodding of the Public Service Commission and Wheat Commission, published reduced rates on wheat to the Pacific Northwest for export in 52-car units from one elevator, 26-car units from on elevator and 26-car units from two to four elevators to a single consignee. Since their inception in 1980, multiple car loading rates have been expended to also cover eastbound and Gulf of Mexico movements. Over 150 state grain elevators have already made plant improvements to permit multiple car shipments. Control of shipping stations and market share are becoming increasingly concentrated as a result of unit train shipping trends. The state's 150 largest elevators ship over 70 percent of the state's grain.

The decade of the 1980's has already seen thirty branchline segments and 700 miles of rail trackage abandoned in North Dakota. The Commission's involvement before the ICC in these proceedings is dictated by local desires to have rail service retained. Of the five abandonment applications filed during the 1985-87 biennium, the PSC aggressively protested one. The application was subsequently withdrawn by the applicant.

The push to abandon track seems to be subsiding given the national trend by carriers to sell secondary main and branch lines to "short line" carriers. In September of 1986 North Dakota got its first short line when the Chicago and Northwestern Railroad sold 825 miles of upper midwest track to the Dakota, Minnesota, and Eastern Railroad; fourteen miles of the track is in North Dakota. A second short line sale is pending between Burlington Northern and the Red River Valley & Western Railroad. This transaction will reportedly involve 667 miles of track in southeastern and central North Dakota. These sales will hopefully result in st

During the 1985-87 biennium the Commission and the Highway Department jointly supervised the installation of automatic advanced warning safety equipment at approximately fifty railroad grade crossings. These improvement projects cost approximately $85,000 and are funded primarily with federal rail safety funds. These installations greatly reduce the hazards involved at intersections where trains and motor vehicles interface.

During the 1985-87 biennium the Transportation Division processed approximately 200 tariff filings for intrastate service or rate adjustments by motor carriers and bus companies. Of these, approximately ten percent were rejected because of filing deficiencies such as failure to comply with the Commission's tariff filing rules. In two instances the Commission was forced to "suspend and investigate" the proposed increase. In both cases the Transportation Division was eventually able to negotiate the carrier's proposals down to a reasonable level.

In summation, it is expected that the upcoming biennium will bring drastic changes to the State's transportation system. Rail line abandonments and new rate innovations will continue and will in turn precipitate changes within the remainder of the rail system and the trucking industry. The Public Service Commission, through its Transportation Division, must stand ready to be a partner in this process to insure that the State's businesses and shippers are provided, to the fullest extent possible, reasonably priced and adequate transportation services.

1985-87 Biennial Accomplishments

1. Conducted a rulemaking procedure that streamlined the rules governing motor carrier and railroad operations.

2. Published a current directory of motor carrier authority which is available to the public.

3. Conducted field and office audits of motor carriers under the jurisdiction of the Commission to insure compliance with the provisions of their respective authority.

4. Investigated possible dormant or abandoned certificates and permits issued by the Commission.

5. Participated in state and national transportation seminars involving shippers and motor carriers.

6. Responded to public complaints and inquiries relating to Public Service Commission authorized motor carriers.

7. Monitored expenses of the Division and operated within budget guidelines.

8. Drafted legislation for the 1987 Legislative session.

9. Compiled a listing of all ICC motor carriers registered with the Commission.

1987-1989 Biennium Goals

1. Protect the safety and welfare of the traveling and shipping public in their use of the highways.
2. Encourage sound economic conditions of efficient and well managed carriers.
3. Promote safe, adequate, economical, efficient and well managed carriers.
4. Encourage the establishment and maintenance of reasonable rates for transportation without unreasonable discrimination or unfair or destructive competitive practices.
5. Encourage the most productive use of equipment and energy resources.
6. Encourage the establishment and maintenance of sound, safe and competitive privately owned motor carrier transportation system.

1987-1989 Biennium Objectives

1. Encourage motor carriers and railroad companies to provide service pursuant to provisions of law.
2. Suspend motor carriers failing to comply with the provisions of their certificates.
3. Process all motor carrier applications in a timely and reasonable manner.
4. Continue education of Division members of all laws and rules pertaining to rail and motor transportation.
5. Continue a good working relationship with members of state and federal enforcement agencies, Interstate Commerce Commission, state agencies, courts, motor carrier associations and the State Legislature.
6. Continue to offer training sessions to enforcement agencies and continue to monitor enforcement activities of enforcement personnel charged with the responsibility of enforcing Title 49 and Commission rules.
7. Publish laws and rules. Furnish motor carriers and enforcement agencies with copies of applicable laws and rules.
8. Publish an updated Directory of Authority manual and make the publication available to the public.
9. Conduct field and office audits of motor carriers under the jurisdiction of the Commission to insure compliance with the provisions of the carrier's certificates.
10. Investigate possible dormant or abandoned certificates.
11. Monitor Division operating expenses and attempt to reduce costs of operation.
12. Respond to change in the transportation industry.
13. Continue to computerize division operations to enhance efficiency and effectiveness.

TRANSPORTATION DIVISION
SUMMARY OF ACTIVITIES

7-1-85 THROUGH 6-30-87

	7-1-85 THROUGH 12-31-85	1-1-86 THROUGH 6-30-86	7-1-86 THROUGH 12-31-86	1-1-87 THROUGH 6-30-87	TOTAL
Findings of Fact, Conclusions of Law and Order	34	31	15	23	103
Order Granting Temporary Authority/Control	23	10	6	10	49
Order Denying Temporary Authority/Control	4	7	3	0	14
Order Granting Application	10	5	4	4	23
Order	1	0	4	6	11
Order Granting Request to Discontinue Motor Carrier Service	1	1	0	1	3
Order of Suspension of Certificate/Authority	34	31	20	13	98
Order Rescinding Suspension of Certificate/Authority	32	26	20	7	85
Order Cancelling/Revoking Authority	10	6	7	3	26
Order Denying Petition for Rehearing	1	0	1	0	2

	7-1-85 THROUGH 12-31-85	1-1-86 THROUGH 6-30-86	7-1-86 THROUGH 12-31-86	1-1-87 THROUGH 6-30-87	TOTAL
Order Dismissing Application	5	4	6	7	22
Order Rescinding Revocation of Authority	0	0	2	0	2
Order Granting Discovery	0	0	2	0	2
Order Denying In Part and Granting In Part Petition for Rehearing, Petition to Reopen & Motion for Oral Argument	0	0	1	0	1
Order to Cease & Desist	0	0	1	1	2
Order Upon Reconsideration	0	0	1	0	1
Order Rescinding Prior Order	0	0	0	1	1
Order Determining Violations and Assessing Penalties	0	1	0	0	1
Notice of Opportunity for Hearing	6	5	4	5	20
Order Denying Petition to Reopen	1	0	0	0	1
Notice of Hearing	17	14	11	5	47

	7-1-85 THROUGH 12-31-85	1-1-86 THROUGH 6-30-86	7-1-86 THROUGH 12-31-86	1-1-87 THROUGH 6-30-87	TOTAL
Notice of Rescheduled Hearing	1	5	1	1	8
Notice of Postponement of Hearing	1	4	4	0	9
Order Granting Intervention	3	1	0	1	5
Court Appeals to Motor Carrier Cases	1	1	0	0	2
Hearings Held	9	9	2	4	24
Number of Hearing Days	8.5	12	1.5	6	28
Vehicles Inspected for Compliance of Title 49	2120	995	1625	2210	6950
Citations Issued for Violation of Title 49	36	21	15	21	93
Citations Issued for No Authority Violation	15	6	8	16	45
Interstate ND Identification Stamps Sold	182,496	37,415	196,490	38,793	455,194
Order Denying Petition to Dismiss	0	0	1	0	1

	7-1-85 THROUGH 12-31-85	1-1-86 THROUGH 6-30-86	7-1-86 THROUGH 12-31-86	1-1-87 THROUGH 6-30-87	TOTAL
Order on Rehearing	0	0	0	1	1
Order Granting Petition to Dismiss	0	0	1	0	1
Order Granting Motion in Part, to Compel Discovery & Denying Request to Require Applicant to Pay Expenses	0	0	0	1	1
Order to Reopen & Consolidate	0	1	0	0	1
Order Denying in Part and Granting in Part Petition for Rehearing	0	1	0	0	1
Cases/Applications Docketed	53	32	32	29	146
Application for Special Certificate	11	8	9	7	35
Application for Extension of Special Certificate	15	5	7	6	33
Application for Transfer of Special Certificate	7	4	1	2	14
Application for Class "A" Certificate	0	0	1	0	1

	7-1-85 THROUGH 12-31-85	1-1-86 THROUGH 6-30--86	7-1-86 THROUGH 12-31-86	1-1-87 THROUGH 6-30-87	TOTAL
Application for Extension of Class "A" Certificate	1	0	0	0	1
Application for Transfer of Class "A" Certificate	0	2	0	1	3
Formal Public Service Commission Motor Carrier Complaint Investigation or Rate Case	0	2	2	0	4
Application for Contract Motor Carrier Permit	14	9	5	6	34
Application for Extension of Contract Motor Carrier Permit	2	1	5	3	11
Application for Transfer of Contract Motor Carrier Permit	2	1	0	2	5
Application to Provide Intercorporate Transportation	0	0	2	0	2
Cost of Court Reporter & Transcripts - Motor Carrier Cases	$1954.00	$3345.30	$410.00	$1241.00	$6950.30
Intrastate Receipt	$7600.00	$77,550	$5605.00	$71,462	$162,217
Interstate Receipts	$919,051	$197,778	$986,895	$191,865	$2,295,589

WEIGHTS AND MEASURES DIVISION

Introduction

An adequate weights and measures program provides an important service to the citizens of the State. It provides a basis for all commercial transactions involving the transfer of commodities by maintaining the necessary standards of weight, measure and length. The testing of commercial weighing and measuring devices such as scales, meters and measures is done to insure that only adequate equipment and measuring practices are used in dealing with the public. The program provides protection to the buyer as well as seller from losses due to incorrect quantity determination.

The North Dakota Weights and Measures Division has adopted the National Bureau of Standards Handbook 44. These are the specifications, tolerances and other technical requirements for commercial weighing and measuring devices.

All specifications and technical requirements in Handbook 44 have been voted on and adopted by the National Conference on Weights and Measures, and as a statutory responsibility, the National Bureau of Standards in cooperation with the National Conference on Weights and Measures publishes Handbook 44.

Goals

The goals of the Weights and Measures Division are to:

1. Assure North Dakota's citizens equity in the market place.
2. Provide the public with safeguards to insure accurate and honest weighing and measuring practices.
3. Provide the public with information relative to matters under Public Service Commission jurisdiction.
4. Provide assistance to the public in answer to legitimate complaints.

Staff

The staff of the Weights and Measures Division is composed of:

1. Director, Metrologist.
2. General Office Clerk.
3. Two heavy capacity scale Inspectors.
4. Three liquid, and small capacity scale Inspectors.
5. One oil and gas meter Inspector.

The director is responsible for the total administration and operations of the division, including program development, direction of field activities and the requisitioning of supplies, materials and equipment.

Inspectors are, weather permitting, in the field year round. During the last biennium, 28,824 weighing and measuring devices were tested.

Laboratory

The weights and measures reference standards of the State of North Dakota are housed in the laboratory located in a modern building adjacent to the State Capitol in Bismarck. These standards are certified by the National Bureau of Standards of the United States Department of Commerce. All field standards are calibrated in the laboratory.

North Dakota Weights and Measures participates in the National Bureau of Standards laboratory auditing program. One of the duties of the director is to maintain traceability of the state standards. This approach is recommended by the National Bureau of Standards because each state which participates in the Office of Weights and Measures laboratory auditing program has the capability of certifying its own state standards with the necessary documentations referencing the National Standards.

The laboratory auditing program provides interaction between the states standard laboratory and the National Bureau of Standards, assuring satisfactory laboratory conditions suitable for the primary standards, in addition to the proper use of National Bureau of Standards procedures in standard calibration. Thus, each state program is evaluated and, if found in compliance, is certified as a participant in the National Bureau of Standards laboratory auditing program, thereby maintaining validity of the State's primary standards.

The program of calibration and certification of standards provides the basis of all commercial transactions involving weights and measures. Laboratory personnel routinely calibrate weights in a wide range of sizes from one milligram to 5,000 pounds. These are used for a wide variety of purposes, from weighing by law enforcement officials to testing large capacity scales.

Liquid Petroleum Gas (L.P.G.) Meters

An important part of our meter testing program involves the testing of L.P.G. meters. Modern handling methods allow the use of L.P.G. for household heating and cooking; also automobiles, highway and farm tractors.

However, the nature of this product makes it necessary that it be maintained under constant high pressure if it is to be accurately measured. A specialized testing unit designed to measure the gas at pressures of over 100 pounds per square inch is used in this testing program.

Liquid and Small Scales

The division operates portable liquid calibrating units for testing the accuracy of meters used in the sale of petroleum products in wholesale quantities. A large part of the work of these units involves the testing of large capacity meters mounted on trucks which deliver fuel to farmers and households. The division is also involved in testing retail devices such as scales in grocery stores, meat markets, hardware stores and gasoline pumps at service stations.

Livestock Scales

The testing of livestock scales is done in cooperation with the Packers and Stockyards Division, United States Department of Agriculture. A statement of understanding has been signed outlining the areas covered by this agreement. The Packers and Stockyards Division personnel have been most helpful with livestock scale testing programs.

Large Capacity Weighing and Measuring Devices

Our large scale testing program involves the testing of motor truck dump scales in grain elevators; self-contained motor truck scales connected with highway construction; motor truck scales involved in rip-rapping river bank projects; belt conveyor scales; coal mine scales; and hopper scales used for mixing asphalt and concrete.

Oil and Gas Meter Testing Program

Our oil and gas inspection involves randomly testing and certifying the accuracy of meters used to measure oil and gas production from wells producing into centralized storage facility having diverse ownership.

Our inspectors' duties will be to test, certify, and issue correction factors on oil and gas meters used in the oil field where royalty payments are being calculated. He will also be required to certify equipment used by the oil well owners such as scales, weights, meters, provers and any type of equipment that is being used to measure production.

Highlights

During the 1985 Legislative Assembly a bill was passed that requires the Weights and Measures Division to randomly test and certify the accuracy of oil and gas meters used in measuring commingled production from wells of diverse ownership for the purpose of allocation.

Several trips to the oil field were made to determine the methods industry used to determine production. For oil, positive displacement meters, mass flow meters, barrel dumps, and test tanks are presently being used.

Orifice meters combined with chart recorders and turbine meters are used to determine gas production.

Many factors had to be weighed and considered before the selection of testing equipment could be made such as the kind and types of materials being tested. For instance, hydrocarbons released from wells have varying viscosity and pressures ranging from 10 to 1200 PST, basic sediment, water, natural gases, hydrogen sulfide gases, and temperatures over 100 degrees Fahrenheit.

To test high pressure wells we purchased a 12 gallon mini compact prover with a flow range of 1.0 to 1000 GPM at a maximum pressure of 1480 PSI.

For low pressure wells we built a five barrel pressurized prover. The vessel was constructed by a local steel fabricator who could meet American Standard Mechanical Engineers certification. The vessel is constructed of steel with a minimum thickness of 3/4 inch and is certified for a maximum of 180 PSI. We are using the three load cell weighing concept with electronic indication. The prover is also equipped with a control or dump valve, relief valve, pop-off valve, check valve, gas meter, indicator totalizer, two pressure gauges, thermometer, and sight glass. The prover is designed to lift off the load cells when being transported. It is mounted on a trailer and pulled by a one-ton truck with utility body that houses the compact prover. The truck is equipped with a 12-volt electric generator that produces 110-volt power for the pump used to extract the product. The truck also carries a centrifuge, portable dead weight testers, and gas gravity tester.

The compact and the gravimetric prover are operational and used to test oil and gas meters.

Training Programs

Several programs, offered both on a national and state level, are available for the continuing education and training of people working in Weights and Measures.

The metrologist in the laboratory is participating in the laboratory auditing program conducted by the National Bureau of Standards. Exercises completed in our laboratory test the ability of the metrologist to perform as well as the accuracy of our equipment. Successful completion of all tests to date has achieved and maintained both the metrologist's and the laboratory's certification by the National Bureau of Standards.

Summary of Mechanical Activities

Kind of Device	Total Tested
Counter Scales	6,870
Platform Scales	1,653
Track and Hopper Scales	556
Livestock and Vehicle Scales	2,264
Electronic Instruments	173
Gas Pumps	12,945
Pipeline Meters	548
L.P. and Fertilizer Meters	1,009
Vehicle Tank Meters	2,906
TOTAL	28,924

ELECTRIC STATISTICS - NORTH DAKOTA
MONTANA-DAKOTA UTILITIES CO.
FOR THE YEARS 1985 AND 1986

OPERATING REVENUES	1985	1986
Residential Sales	$30,431,296	$29,340,744
Commercial and Industrial Sales	32,298,465	32,257,931
Public Street and Highway Lighting*	1,176,994	1,138,345
Other Sales to Public Authorities	1,319,011	1,306,668
Interdepartmental Sales	20,169	27,331
Other Electric Revenues	1,363,235	1,213,541
Total Operating Revenues	$66,609,170	$65,284,560
KILOWATT HOURS SOLD		
Residential Sales	450,794,000	434,367,000
Commercial and Industrial Sales	517,702,000	515,059,000
Public Street and Highway Lighting*	20,794,000	20,400,000
Other Sales to Public Authorities	28,422,000	29,251,000
Interdepartmental Sales	195,000	284,000
Total kwh Sold	1,017,907,000	999,361,000
AVERAGE NUMBER OF CUSTOMERS		
Residential	58,926	57,938
Commercial and Industrial	9,215	9,238
Public Street and Highway Lighting	108	108
Public Authorities	76	76
Interdepartmental Sales	1	1
Total Customers	68,326	67,361
AVERAGE REVENUE PER KWH SOLD		
Residential Sales	$0.0675	$0.0675
Commercial and Industrial Sales	$0.0624	$0.0626
Public Street and Highway Lighting*	$0.0566	$0.0558
Other Sales to Public Authorities	$0.0464	$0.0447
Sales to Other Electric Utilities	$0.1034	$0.0962
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$516.43	$506.42
Commercial and Industrial Sales	$3,504.99	$3,491.87
Public Street and Highway Lighting*	$10,898.09	$10,540.23
Other Sales to Public Authorities	$17,355.41	$17,193.00
Sales to Other Electric Utilities	$20,169.00	$27,331.00
AVERAGE KWH SOLD PER CUSTOMER		
Residential Sales	7,650	7,497
Commercial and Industrial Sales	56,180	55,754
Public Street and Highway Lighting*	192,537	188,889
Other Sales to Public Authorities	373,974	384,882
Sales to Other Electric Utilities	195,000	284,000

*Normally includes services in addition to electrical energy.

ELECTRIC STATISTICS - NORTH DAKOTA
NORTHERN STATES POWER COMPANY
FOR THE YEARS 1985 AND 1986

OPERATING REVENUES	1985	1986
Residential Sales	$32,898,867	$33,123,715
Commercial and Industrial Sales	37,717,160	38,478,260
Public Street and Highway Lighting*	1,068,650	1,064,992
Other Sales to Public Authorities	2,724,764	2,914,524
Interdepartmental Sales	79,029	92,340
Sales to Other Electric Utilities		
Other Electric Revenues	13,838,231	12,342,141
Total Operating Revenues	$88,326,701	$88,015,972
KILOWATT HOURS SOLD		
Residential Sales	608,527,000	618,249,000
Commercial and Industrial Sales	760,443,000	780,915,000
Public Street and Highway Lighting*	14,950,000	14,238,000
Other Sales to Public Authorities	67,101,000	72,060,000
Interdepartmental Sales	2,544,000	2,810,000
Sales to Other Electric Utilities		
Total kwh Sold	1,453,565,000	1,488,272,000
AVERAGE NUMBER OF CUSTOMERS		
Residential	60,825	62,031
Commercial and Industrial	9,023	9,186
Public Street and Highway Lighting	59	57
Public Authorities	210	214
Interdepartmental Sales		
Other Electric Utilities		
Total Customers	70,117	71,488
AVERAGE REVENUE PER KWH SOLD		
Residential Sales	$0.0541	$0.0536
Commercial and Industrial Sales	$0.0496	$0.0493
Public Street and Highway Lighting*	$0.0715	$0.0748
Other Sales to Public Authorities	$0.0406	$0.0404
Sales to Other Electric Utilities		
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$540.88	$533.99
Commercial and Industrial Sales	$4,180.11	$4,188.79
Public Street and Highway Lighting*	$18,112.71	$18,684.07
Other Sales to Public Authorities	$12,975.07	$13,619.27
Sales to Other Electric Utilities		
AVERAGE KWH SOLD PER CUSTOMER		
Residential Sales	10,005	9,967
Commercial and Industrial Sales	84,278	85,011
Public Street and Highway Lighting*	253,390	249,789
Other Sales to Public Authorities	319,529	336,729
Sales to Other Electric Utilities		

*Normally includes services in addition to electrical energy.

ELECTRIC STATISTICS - NORTH DAKOTA
OTTER TAIL POWER COMPANY
FOR THE YEARS 1985 AND 1986

OPERATING REVENUES	1985	1986
Residential Sales	$32,718,279	$31,660,786
Commercial and Industrial Sales	38,751,864	36,612,362
Public Street and Highway Lighting*	1,032,624	1,095,060
Other Sales to Public Authorities	538,321	597,038
Sales to Other Electric Utilities	4,147,550	2,457,207
Other Electric Revenues	773,020	1,159,288
Total Operating Revenues	$77,961,658	$73,581,741
KILOWATT HOURS SOLD		
Residential Sales	476,093,000	461,144,000
Commercial and Industrial Sales	627,224,000	565,596,000
Public Street and Highway Lighting*	13,824,000	13,653,000
Other Sales to Public Authorities	13,046,000	13,220,000
Sales to Other Electric Utilities	261,545,000	156,284,000
Total kwh Sold	1,391,732,000	1,209,897,000
AVERAGE NUMBER OF CUSTOMERS		
Residential	44,255	44,014
Commercial and Industrial	11,530	11,397
Public Street and Highway Lighting	229	229
Public Authorities	290	298
Other Electric Utilities	9	9
Total Customers	56,313	55,947
AVERAGE REVENUE PER KWH SOLD		
Residential Sales	$0.0687	$0.0687
Commercial and Industrial Sales	$0.0618	$0.0647
Public Street and Highway Lighting*	$0.0747	$0.0802
Other Sales to Public Authorities	$0.0413	$0.0452
Sales to Other Electric Utilities	$0.0159	$0.0157
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$739.31	$719.33
Commercial and Industrial Sales	$3,360.96	$3,212.46
Public Street and Highway Lighting*	$4,509.28	$4,781.92
Other Sales to Public Authorities	$1,856.28	$2,003.48
Sales to Other Electric Utilities	$460,838.89	$273,023.00
AVERAGE KWH SOLD PER CUSTOMER		
Residential Sales	10,758	10,477
Commercial and Industrial Sales	54,399	49,627
Public Street and Highway Lighting*	60,367	59,620
Other Sales to Public Authorities	44,986	44,362
Sales to Other Electric Utilities	29,060,556	17,364,889

*Normally includes services in addition to electrical energy.

STATISTICS OF ELECTRIC DISTRIBUTION COOPERATIVE CORPORATIONS OPERATING IN NORTH DAKOTA
AS OF DECEMBER 31, 1985

NAME OF COOPERATIVE	Principal Office	Route Miles of Line	Number of Customers	Avg. No. Customers Per Mile	KWH Sold in 12-Month Period	Avg. Monthly KWH per Customer
Baker Electric Cooperative, Inc.	Cando ND 58324	3,187	5,246	1.65	111,125,130	1,765
Burke-Divide Electric Coop., Inc.	Columbus ND 58727	2,063	2,155	1.04	50,484,954	1,952
Capital Electric Coop., Inc.	Bismarck ND 58501	2,118	6,140	2.90	90,188,630	1,224
Cass County Electric Coop., Inc.	Kindred ND 58051	5,162	10,801	2.09	322,736,456	2,490
Cavalier Rural Elec. Coop., Inc.	Langdon ND 58249	1,485	1,641	1.11	40,241,903	2,044
Goldenwest Elec. Co-operative, Inc.	Wibaux MT 59353	415	522	1.26	5,436,426	868
James Valley Elec. Coop., Inc.	Edgeley ND 58433	2,796	3,307	1.18	64,780,630	1,632
KEM Electric Coop., Inc.	Linton ND 58552	3,041	3,321	1.09	49,473,649	1,241
Lower Yellowstone Rural Elec. Ass'n., Inc.	Sidney MT 59270	270	716	2.65	25,973,396	3,023
McKenzie Elec. Coop., Inc.	Watford City ND 58854	3,097	4,893	1.58	356,213,473	6,067
McLean Elec. Coop., Inc	Garrison ND 58540	1,804	2,703	1.50	45,340,441	1,398
Mor-Gran-Sou Elec. Coop., Inc.	Flasher ND 58535	3,674	5,062	1.38	81,059,190	1,334
Mountrail Elec. Coop., Inc.	Stanley ND 58784	1,403	2,672	1.90	43,097,538	1,344
Nodak Rural Elec. Coop., Inc.	Grand Forks ND 58201	5,928	11,053	1.86	449,184,995	3,387
North Central Elec. Coop., Inc.	Bottineau ND 58318	2,996	6,052	2.02	112,859,295	1,554
Oliver-Mercer Elec. Coop., Inc.	Hazen ND 58545	1,737	3,621	2.08	161,574,718	3,718
RSR Elec. Coop., Inc.	Milnor ND 58060	2,072	2,460	1.19	82,180,058	2,784
Sheridan Elec. Coop., Inc.	MedicineLake MT 59247	239	315	1.32	9,589,498	2,537
Sheyenne Valley Elec. Coop., Inc.	Finley ND 58230	2,231	2,746	1.23	71,782,224	2,178
Slope Elec. Coop., Inc.	New England ND 58647	2,924	3,023	1.03	54,639,958	1,506
Traverse Elec. Coop., Inc.	Wheaton MN 56296	7	19	2.71	354,580	1,555
Tri-County Elec. Coop., Inc.	Carrington ND 58421	3,648	5,000	1.37	87,503,891	1,458
Verendrye Elec. Coop., Inc.	Velva ND 58790	4,186	7,991	1.91	212,940,539	2,221
West Plains Elec. Coop., Inc.	Dickinson ND 58601	3,142	5,446	1.73	297,469,039	4,552
Williams Elec. Coop., Inc.	Williston ND 58801	1,747	3,470	1.99	82,747,539	1,987
	Total	61,372	100,375	1.64	2,908,978,158	2,415

STATISTICS OF ELECTRIC DISTRIBUTION COOPERATIVE CORPORATIONS OPERATING IN NORTH DAKOTA
AS OF DECEMBER 31, 1986

NAME OF COOPERATIVE	Principal Office	Route Miles of Line	Number of Customers	Avg. No. Customers Per Mile	KWH Sold in 12-Month Period	Avg. Monthly KWH per Customer
Baker Electric Cooperative, Inc.	Cando ND 58324	3,187	5,301	1.66	108,887,758	1,712
Burke-Divide Electric Coop., Inc.	Columbus ND 58727	2,051	2,169	1.06	46,602,652	1,790
Capital Electric Coop., Inc.	Bismarck ND 58501	2,119	6,087	2.87	86,713,868	1,187
Cass County Electric Coop., Inc.	Kindred ND 58051	5,180	11,188	2.16	317,305,373	2,363
Cavalier Rural Elec. Coop., Inc.	Langdon ND 58249	1,480	1,615	1.09	37,943,663	1,958
Goldenwest Elec. Co-operative, Inc.	Wibaux MT 59353	427	516	1.21	7,721,127	1,247
James Valley Elec. Coop., Inc.	Edgeley ND 58433	2,806	3,278	1.17	61,661,415	1,568
KEM Electric Coop., Inc.	Linton ND 58552	3,047	3,313	1.09	46,426,080	1,168
Lower Yellowstone Rural Elec. Ass'n., Inc.	Sidney MT 59270	271	731	2.70	24,717,869	2,818
McKenzie Elec. Coop., Inc.	Watford City ND 58854	2,992	4,927	1.65	352,760,439	5,966
McLean Elec. Coop., Inc	Garrison ND 58540	1,802	2,703	1.50	44,385,928	1,368
Mor-Gran-Sou Elec. Coop., Inc.	Flasher ND 58535	3,676	5,092	1.39	77,952,520	1,276
Mountrail Elec. Coop., Inc.	Stanley ND 58784	1,408	2,733	1.94	41,762,886	1,273
Nodak Rural Elec. Coop., Inc.	Grand Forks ND 58201	5,934	11,102	1.87	431,319,119	3,238
North Central Elec. Coop., Inc.	Bottineau ND 58318	3,019	6,150	2.04	111,331,217	1,509
Oliver-Mercer Elec. Coop., Inc.	Hazen ND 58545	1,746	3,492	2.00	143,329,403	3,420
RSR Elec. Coop., Inc.	Milnor ND 58060	2,066	2,457	1.19	82,146,666	2,786
Sheridan Elec. Coop., Inc.	MedicineLake MT 59247	246	313	1.27	8,078,349	2,151
Sheyenne Valley Elec. Coop., Inc.	Finley ND 58230	2,235	2,727	1.22	64,798,255	1,980
Slope Elec. Coop., Inc.	New England ND 58647	2,932	3,016	1.03	51,171,781	1,414
Traverse Elec. Coop., Inc.	Wheaton MN 56296	7	18	2.57	338,440	1,567
Tri-County Elec. Coop., Inc.	Carrington ND 58421	3,650	4,972	1.36	84,833,463	1,422
Verendrye Elec. Coop., Inc.	Velva ND 58790	4,105	8,060	1.96	209,978,493	2,171
West Plains Elec. Coop., Inc.	Dickinson ND 58601	3,173	5,456	1.72	262,185,784	4,005
Williams Elec. Coop., Inc.	Williston ND 58801	1,752	3,546	2.02	75,059,921	1,764
	Total	61,311	100,962	1.65	2,779,412,469	2,294

NORTH DAKOTA ELECTRIC GENERATING STATISTICS
FOR THE YEARS 1985 AND 1986

	1985	1986
Generating Capability Within ND (kwh)		
MDU	203,400	182,200
NSP	0	0
OTP	206,150	208,250
CPA	1,015,000	1,052,000
UPA	172,000	172,000
Basin Electric	1,597,000	1,597,000
Minnkota	414,292	408,842
Square Butte	420,000	438,000
Municipal Systems	9,122	8,019
US Bureau of Reclamation	460,000	475,000
Total	4,496,964	4,541,311
Kilowatt Hours Generated Within ND - Net		
MDU	957,660,276	806,102,683
NSP	0	0
OTP	827,458,906	747,001,560
CPA	6,012,698,000	6,221,536,000
UPA	1,407,350,000	1,327,628,000
Basin Electric	6,024,496,500	6,225,737,000
Minnkota	2,163,865,801	2,107,077,685
Square Butte	2,530,560,000	2,449,075,000
Municipal Systems	34,000	6,283
US Bureau of Reclamation	2,172,738,000	2,326,267,000
Total	22,096,861,483	22,210,431,211
Electric Consumption Within ND (kwh)		
On Investor-Owned Systems	3,601,657,000	3,541,246,000
On Rural Elec. Co-op Systems	2,908,978,158	2,779,412,469
On Municipal Systems	223,374,940	230,687,166
Estimated Line Loss (14%)	1,096,234,202	1,056,498,127
Total	7,830,244,300	7,607,843,762

ELECTRIC OPERATIONS - NORTH DAKOTA
FOR THE YEARS 1985 AND 1986

Year 1985	Operating Revenues	Operating Expenses	Taxes	Net Operating Revenues	Cost of Plant in Service	Kilowatt Hour Sales
Montana-Dakota Utilities Co.	$66,609,170	$44,882,307	$8,856,306	$12,870,557	$266,979,217	1,017,907,000
Northern States Power Company	88,326,701	56,183,237	16,917,574	15,225,890	233,777,230	1,453,565,000
Otter Tail Power Company	77,961,658	46,787,428	14,079,158	17,095,072	229,907,651	1,391,732,000
Total	$232,897,529	$147,852,972	$39,853,038	$45,191,519	$730,664,098	3,863,204,000
Year 1986						
Montana-Dakota Utilities Co.	$65,284,560	$45,485,319	$7,767,605	$12,031,636	$270,562,272	999,361,000
Northern States Power Company	88,015,972	57,574,597	15,719,616	14,721,759	251,569,011	1,488,272,000
Otter Tail Power Company	73,581,741	44,887,775	13,087,640	15,606,326	235,546,878	1,209,897,000
Total	$226,882,273	$147,947,691	$36,574,861	$42,359,721	$757,678,161	3,697,530,000

GAS OPERATIONS - NORTH DAKOTA
FOR THE YEARS 1985 AND 1986

Year 1985	Operating Revenues	Operating Expenses	Taxes	Net Operating Revenues	Cost of Plant in Service	MCF Sales
Montana-Dakota Utilities Co.	$89,058,940	$87,220,403	$1,122,929	$715,608	$48,173,562	17,172,202
Northern States Power Company	28,883,356	24,983,595	2,302,856	1,596,905	24,431,244	5,130,305
Great Plains Natural Gas Co.	1,398,137	1,264,645	58,494	74,998	592,124	271,566
Conex	386,539	334,838	2,903	48,798	409,432	22,724
Total	$119,726,972	$113,803,481	$3,487,182	$2,436,309	$73,606,362	22,596,797
Year 1986						
Montana-Dakota Utilities Co.	$76,263,322	$71,840,487	$2,172,850	$2,249,985	$48,829,836	15,335,624
Northern States Power Company	25,690,323	21,029,975	2,554,428	2,105,920	27,406,343	5,160,667
Great Plains Natural Gas Co.	1,236,946	1,086,463	84,256	66,227	1,284,011	272,641
Conex	327,825	286,370	1,365	40,090	409,432	21,711
Total	$103,518,416	$94,243,295	$4,812,899	$4,462,222	$77,929,622	20,790,643

NATURAL GAS STATISTICS - NORTH DAKOTA
GREAT PLAINS NATURAL GAS CO.
FOR THE YEARS 1985 AND 1986

	1985	1986
OPERATING REVENUES		
Residential Sales	$682,270	$600,362
Commercial Sales	709,297	629,905
Other Gas Revenues	6,570	6,679
Total Operating Revenues	$1,398,137	$1,236,946
MCF SOLD		
Residential Sales	122,897	120,921
Commercial Sales	148,669	151,720
Total MCF Sold	271,566	272,641
AVERAGE NUMBER OF CUSTOMERS		
Residential	1,117	1,152
Commercial	225	227
Total Customers	1,342	1,379
AVERAGE REVENUE PER MCF SOLD		
Residential Sales	$5.55	$4.96
Commercial Sales	$4.77	$4.15
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$610.81	$521.15
Commercial Sales	$3,152.43	$2,774.91
AVERAGE MCF SOLD PER CUSTOMER		
Residential	110.02	104.97
Commercial	660.75	668.37
BTU PER CU. FT.	100900.0%	100900.0%

NATURAL GAS STATISTICS - NORTH DAKOTA
MONTANA-DAKOTA UTILITIES CO.
FOR THE YEARS 1985 AND 1986

	1985	1986
OPERATING REVENUES		
Residential Sales	$45,156,337	$38,536,434
Commercial Sales	40,568,896	33,653,029
Industrial Sales	3,125,576	3,785,981
Inter-Departmental Sales	42,101	30,640
Other Gas Revenues	166,030	257,238
Total Operating Revenues	$89,058,940	$76,263,322
MCF SOLD		
Residential Sales	8,266,142	7,343,552
Commercial Sales	8,158,678	7,081,773
Industrial Sales	739,080	904,008
Inter-Departmental Sales	8,302	6,291
Total MCF Sold	17,172,202	15,335,624
AVERAGE NUMBER OF CUSTOMERS		
Residential	64,093	63,576
Commercial	8,652	8,822
Industrial	7	6
Inter-Departmental	1	1
Total Customers	72,753	72,405
AVERAGE REVENUE PER MCF SOLD		
Residential Sales	$5.46	$5.25
Commercial Sales	$4.97	$4.75
Industrial Sales	$4.23	$4.19
Inter-Departmental Sales	$5.07	$4.87
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$704.54	$606.15
Commercial Sales	$4,688.96	$3,814.67
Industrial Sales	$446,510.86	$630,996.83
Inter-Departmental Sales	$42,101.00	$30,640.00
AVERAGE MCF SOLD PER CUSTOMER		
Residential	128.97	115.51
Commercial	942.98	802.74
Industrial	105,582.86	150,668.00
Inter-Departmental	8,302.00	6,291.00
BTU PER CU. FT.	103900.0%	103900.0%

NATURAL GAS STATISTICS - NORTH DAKOTA
NORTHERN STATES POWER COMPANY
FOR THE YEARS 1985 AND 1986

	1985	1986
OPERATING REVENUES		
Residential Sales	$11,966,812	$10,410,546
Commercial and Industrial Sales	16,764,924	15,031,351
Interdepartmental Sales	6,589	5,015
Other Gas Revenues	145,031	243,411
Total Operating Revenues	$28,883,356	$25,690,323
MCF SOLD		
Residential Sales	1,964,371	1,884,012
Commercial and Industrial Sales	3,164,404	3,275,449
Interdepartmental Sales	1,530	1,206
Total MCF Sold	5,130,305	5,160,667
AVERAGE NUMBER OF CUSTOMERS		
Residential	18,246	18,727
Commercial and Industrial	2,732	2,896
Total Customers	20,978	21,623
AVERAGE REVENUE PER MCF SOLD		
Residential Sales	$6.09	$5.53
Commercial and Industrial Sales	$5.30	$4.59
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$655.86	$555.91
Commercial and Industrial Sales	$6,136.50	$5,190.38
AVERAGE MCF SOLD PER CUSTOMER		
Residential	107.66	100.60
Commercial and Industrial	1,158.27	1,131.03
BTU PER CU. FT.	100900.0%	100900.0%

LIQUEFIED PETROLEUM GAS STATISTICS - NORTH DAKOTA
CENEX
FOR THE YEARS 1985 AND 1986

	1985	1986
OPERATING REVENUES		
Residential Sales	$274,136	$217,912
Commercial Sales	112,403	109,913
Total Operating Revenues	$386,539	$327,825
MCF SOLD		
Residential Sales	15,680	13,846
Commercial Sales	7,045	7,865
Total MCF Sold	22,724	21,711
AVERAGE NUMBER OF CUSTOMERS		
Residential	31000.0%	30800.0%
Commercial	2800.0%	2000.0%
Total Customers	33800.0%	32800.0%
AVERAGE REVENUE PER MCF SOLD		
Residential Sales	$17.48	$15.74
Commercial Sales	$15.96	$13.97
AVERAGE REVENUE PER CUSTOMER		
Residential Sales	$884.31	$707.51
Commercial Sales	$4,014.39	$5,495.65
AVERAGE MCF SOLD PER CUSTOMER		
Residential	50.58	44.95
Commercial	251.59	393.25
BTU PER CU. FT.	254400.0%	254400.0%

TELEPHONE STATISTICS - CLASS "A" AND "B" COMPANIES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1985

	Griggs County Tel. Co.	Inter-Community Tel. Co.*	Midstate Telephone Company	Moore & Liberty Tel. Co.	No. Dak. Telephone Company	Northern States Power Co.	Northwestern Bell Tel. Co.**	AT&T Communications of the Midwest
REVENUES								
Local Service Revenues	$194,132	$276,730	$323,560	$212,299	$2,611,798	$3,173,952	$58,055,252	$0
Access Charge Revenues	17,973	212,360	21,826	9,819	3,502,787	373,930	62,287,923	0
Toll Service Revenues	433,189	415,631	987,159	186,472	(15,777)	5,476,022	36,619,155	55,046,540
Misc. Operating Revenues	23,829	30,012	24,476	14,907	369,723	1,403,597	12,807,060	5,188,582
Uncollectibles			12,001	1,029	7,479	37,765	359,266	873,030
Total Operating Revenues	$669,123	$934,733	$1,345,020	$422,468	$6,461,052	$10,391,736	$169,410,124	$59,362,092
EXPENSES								
Operating Expenses	$426,980	$493,129	$930,266	$167,390	$2,404,670	$4,628,484	$77,348,310	$51,382,917
Depreciation & Amort.	88,130	366,292	152,911	88,612	1,258,268	1,954,127	29,448,362	4,892,965
Taxes	76,040	41,390	133,282	13,977	1,180,886	1,817,100	27,940,520	1,621,927
Total Operating Expenses	$591,150	$900,811	$1,216,459	$269,979	$4,843,824	$8,399,711	$134,737,192	$57,897,809
NET OPERATING INCOME	$77,973	$33,922	$128,561	$152,489	$1,617,228	$1,992,025	$34,672,932	$1,464,283
GROSS PLANT-IN-SERVICE	$1,642,138	$3,394,996	$2,776,278	$1,847,111	$20,524,614	$28,622,727	$469,790,499	$346,090,968
SELECTED ITEMS								
Access Lines	1,490	1,247	1,423	748	9,335	20,912	245,471	NA
Number of Exchanges	3	5	3	1	15	1	101	NA
SELECTED AVERAGES								
Revenue per Access Line	$449.08	$749.59	$945.20	$550.09	$692.13	$501.73	$690.14	NA
Total Expense per Access Line	$396.74	$722.38	$854.86	$351.54	$518.89	$405.55	$548.89	NA
Taxes Per Access Line	$51.03	$33.19	$93.66	$18.20	$126.50	$87.73	$113.82	NA
Gross Plant per Access Line	$1,102.11	$2,722.53	$1,951.00	$2,405.09	$2,198.67	$1,381.94	$1,913.83	NA

* Excludes Autovon Operations
**NWBell includes access lines located in Minnesota but maintained out of North Dakota of 25,737
NA Not Applicable

TELEPHONE STATISTICS - CLASS "A" AND "B" COMPANIES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1986

	Griggs County Tel. Co.	Inter-Community Tel. Co.*	Midstate Telephone Company	Moore & Liberty Tel. Co.	No. Dak. Telephone Company	Northern States Power Co.	Northwestern Bell Tel. Co.**	AT&T Communications of the Midwest
REVENUES								
Local Service Revenues	$284,382	$279,550	$334,913	$238,272	$2,606,318	$2,693,687	$60,992,246	$0
Access Charge Revenues	34,931	664,373	37,381	19,059	3,445,630	584,629	52,987,478	0
Toll Service Revenues	440,386	7,360	823,039	188,527	435	5,227,606	50,509,528	55,358,995
Misc. Operating Revenues	28,381	56,509	19,786	14,263	583,984	1,521,575	11,202,782	2,554,954
Uncollectibles	3,195	0	9,593	5,725	5,736	0	349,129	716,667
Total Operating Revenues	$784,885	$1,007,792	$1,205,526	$453,396	$6,630,631	$10,027,497	$175,342,905	$57,197,282
EXPENSES								
Operating Expenses	$499,022	$434,938	$904,268	$240,048	$2,786,670	$3,989,046	$87,255,058	$48,754,740
Depreciation & Amort.	95,707	409,311	150,379	93,135	1,601,848	1,843,065	31,575,006	4,602,094
Taxes	88,225	48,933	75,407	33,454	867,431	1,463,120	25,517,654	2,037,959
Total Operating Expenses	$682,954	$893,182	$1,130,054	$366,637	$5,255,949	$7,295,231	$144,347,718	$55,394,793
NET OPERATING INCOME	$101,931	$114,610	$75,472	$86,759	$1,374,682	$2,732,266	$30,995,187	$1,802,489
GROSS PLANT-IN-SERVICE	$1,744,146	$4,607,663	$2,822,279	$1,931,166	$20,648,210	$25,180,854	$488,305,343	$359,937,501
SELECTED ITEMS								
Access Lines	1,493	1,249	1,400	766	9,500	20,905	245,055	NA
Number of Exchanges	3	5	3	1	15	1	101	NA
SELECTED AVERAGES								
Revenue per Access Line	$525.71	$807.53	$861.09	$591.90	$697.96	$479.67	$715.52	NA
Total Expense per Access Line	$457.44	$715.69	$807.18	$478.64	$553.26	$348.97	$589.04	NA
Taxes Per Access Line	$59.09	$39.21	$53.86	$43.67	$91.31	$69.99	$104.13	NA
Gross Plant per Access Line	$1,168.22	$3,692.04	$2,015.91	$2,521.10	$2,173.50	$1,204.54	$1,992.64	NA

* Excludes Autovon Operations
**NWBell includes access lines located in Minnesota but maintained out of North Dakota exchanges of 25,870
NA Applicable

TELEPHONE STATISTICS - REA-FINANCED RURAL TELEPHONE COOPERATIVES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1985

	BEK Tel. Mutual Aid Corporation	Consolidated Telephone Cooperative	Dakota Central Rural Tel. Coop.	Dickey Rural Tel. Coop.	Northwest Mutual Aid Tel. Corp.	Polar Comm. Mutual Aid Corp.***
REVENUES						
Local Service Revenues	$743,188	$831,056	$496,780	$633,620	$363,455	$1,546,967
Access Charge Revenues	550,050	41,614	19,691	436,625	38,487	104,237
Toll Service Revenues	444,558	2,282,236	856,844	693,836	1,560,008	1,857,463
Misc. Operating Revenues	99,067	47,932	34,207	44,633	48,650	218,825
Uncollectibles	4,000	0	0	5,267	10,009	14,588
Total Operating Revenues	$1,832,863	$3,202,839	$1,407,522	$1,803,447	$2,000,591	$3,712,904
EXPENSES						
Operating Expenses	$869,753	$1,509,265	$720,717	$981,943	$940,115	$2,028,829
Depreciation & Amort.	550,284	1,146,584	597,810	561,727	594,876	1,146,175
Taxes	46,451	81,053	39,732	38,843	64,782	173,553
Total Operating Expenses	$1,466,488	$2,736,902	$1,358,259	$1,582,514	$1,599,773	$3,348,557
NET OPERATING INCOME	$366,375	$465,937	$49,263	$220,933	$400,818	$364,347
$ PLANT-IN-SERVICE	$10,418,315	$14,859,574	$7,376,524	$8,528,877	$10,512,192	$18,927,667
SELECTED ITEMS						
Access Lines	3,661	3,729	2,237	2,609	3,601	8,289
Number of Exchanges	12	13	8	16	13	21
% of Company's Total Access Lines Located in North Dakota*	100.00	95.52	100.00	98.42	100.00	98.84
SELECTED AVERAGES						
Revenue per Access Line	$500.65	$858.90	$629.20	$691.24	$555.57	$447.93
Expense per Access Line	$400.57	$733.95	$607.18	$606.56	$444.26	$403.98
Gross Plant per Access Line	$2,845.76	$3,984.87	$3,297.51	$3,269.02	$2,919.24	$2,283.47

* Where companies had operations in other states, this percentage was used to allocate portions of the revenues, expenses and plant-in-service to North Dakota operations
*** Excludes military operations

TELEPHONE STATISTICS - REA-FINANCED RURAL TELEPHONE COOPERATIVES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1985

	Red River Rural Tel. Association	Reservation Telephone Cooperative	Souris River Tel. Mutual Aid Corp.***	United Tel. Mutual Aid Corp.	West River Mutual Aid Tel. Corp.	Others: Minor ND Operations**
REVENUES						
Local Service Revenues	$117,201	$620,370	$2,313,071	$577,616	$1,259,455	$47,877
Access Charge Revenues	6,827	51,603	74,153	54,208		16,929
Toll Service Revenues	256,387	2,413,289	4,828,505	972,826	3,426,182	183,105
Misc. Operating Revenues	16,112	104,881	172,963	60,791	179,553	10,392
Uncollectibles	2,357	6,791	0	3,136		12
Total Operating Revenues	$394,170	$3,183,352	$7,388,692	$1,662,305	$4,865,190	$258,291
EXPENSES						
Operating Expenses	$212,775	$1,605,017	$3,782,989	$727,733	$2,281,095	$145,428
Depreciation & Amort.	115,460	799,348	2,035,345	579,609	1,220,944	69,549
Taxes	18,900	49,695	321,559	60,537	206,199	9,575
Total Operating Expenses	$347,134	$2,454,060	$6,139,893	$1,367,879	$3,708,238	$224,552
NET OPERATING INCOME	$47,035	$729,291	$1,248,799	$294,426	$1,156,952	$33,739
GROSS PLANT-IN-SERVICE	$1,828,612	$13,577,488	$26,816,471	$9,195,801	$16,481,822	$1,317,747
SELECTED ITEMS						
Access Lines	793	4,286	11,768	4,414	8,484	337
Number of Exchanges	4	15	23	7	14	2
% of Company's Total Access Lines Located in North Dakota*	47.46	99.37	100.00	100.00	93.75	3.13
SELECTED AVERAGES						
Revenue per Access Line	$497.06	$742.73	$627.86	$376.60	$573.45	$766.44
Expense per Access Line	$437.75	$572.58	$521.74	$309.90	$437.09	$666.33
Gross Plant per Access Line	$2,305.94	$3,167.87	$2,278.76	$2,083.33	$1,942.69	$3,910.23

* Where companies had operations in other states, this percentage was used to allocate portions of the revenues, expenses and plant-in-service to North Dakota operations
**Includes Halstad Telephone Company, Mid-Rivers Telephone Cooperative, Inc., Nemont Telephone Cooperative, Inc., and Roberts County Telephone Cooperative Association
*** Includes military operations

TELEPHONE STATISTICS - REA-FINANCED RURAL TELEPHONE COOPERATIVES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1986

	BEK Tel. Mutual Aid Corporation	Consolidated Telephone Cooperative	Dakota Central Rural Tel. Coop.	Dickey Rural Tel. Coop.	Northwest Mutual Aid Tel. Corp.	Polar Comm. Mutual Aid Corp.***
REVENUES						
Local Service Revenues	$793,508	$746,160	$513,312	$638,684	$371,074	$1,532,627
Access Charge Revenues	530,710	81,704	45,840	55,012	78,286	1,751,852
Toll Service Revenues	329,338	2,351,230	869,892	1,082,617	1,885,370	482,976
Misc. Operating Revenues	151,884	48,282	26,869	38,963	72,209	374,116
Uncollectibles	0	2,870	0	(1,818)	1,734	22,775
Total Operating Revenues	$1,805,440	$3,224,507	$1,455,913	$1,817,094	$2,405,205	$4,118,796
EXPENSES						
Operating Expenses	$818,281	$1,598,921	$787,992	$915,101	$934,876	$2,078,083
Depreciation & Amort.	560,266	1,135,925	466,703	582,954	758,903	1,175,141
Taxes	45,390	78,935	30,772	38,025	52,072	179,692
Total Operating Expenses	$1,423,937	$2,813,781	$1,285,467	$1,536,080	$1,745,851	$3,432,916
NET OPERATING INCOME	$381,503	$410,726	$170,446	$281,014	$659,354	$685,880
GROSS PLANT-IN-SERVICE	$10,494,510	$16,028,967	$7,405,346	$9,245,440	$11,050,136	$18,546,701
SELECTED ITEMS						
Access Lines	3,619	3,673	2,222	2,587	3,524	8,045
Number of Exchanges	12	13	8	16	13	21
% of Company's Total Access Lines Located in North Dakota*	100.00	95.65	100.00	98.29	100.00	98.80
SELECTED AVERAGES						
Revenue per Access Line	$498.88	$877.89	$655.23	$702.39	$682.52	$511.97
Expense per Access Line	$393.46	$766.07	$578.52	$593.77	$495.42	$426.71
Gross Plant per Access Line	$2,899.84	$4,364.00	$3,332.74	$3,573.81	$3,135.68	$2,305.37

* Where companies had operations in other states, this percentage was used to allocate portions of the revenues, expenses and plant-in-service to North Dakota operations
*** Excludes military operations

TELEPHONE STATISTICS - REA-FINANCED RURAL TELEPHONE COOPERATIVES
NORTH DAKOTA ONLY OPERATIONS FOR THE YEAR 1986

	Red River Association	Reservation Cooperative	Souris River Aid Corp.***	United Aid Corp.	West River Tel. Corp.	Others: Operations**
REVENUES						
Local Service Revenues	$109,987	$718,811	$2,137,628	$580,480	$705,216	$47,670
Access Charge Revenues	15,988	97,951	4,621,401	1,012,839	2,300,612	20,901
Toll Service Revenues	268,864	2,265,554	541,801	0	479,401	203,631
Misc. Operating Revenues	13,238	88,358	315,132	65,151	168,550	6,685
Uncollectibles	3,855	4,388	0	5,118	0	179
Total Operating Revenues	$404,222	$3,166,286	$7,615,962	$1,653,352	$3,653,779	$278,708
EXPENSES						
Operating Expenses	$212,767	$1,785,730	$3,973,069	$739,928	$1,829,452	$135,741
Depreciation & Amort.	110,081	815,100	2,150,949	561,879	952,618	93,450
Taxes	18,720	53,090	359,525	59,910	163,831	9,080
Total Operating Expenses	$341,568	$2,653,920	$6,483,543	$1,361,717	$2,945,901	$238,271
NET OPERATING INCOME	$62,654	$512,366	$1,132,419	$291,635	$707,878	$40,437
GROSS PLANT-IN-SERVICE	$1,716,171	$14,455,168	$33,619,772	$9,177,023	$15,334,167	$1,321,446
SELECTED ITEMS						
Access Lines	780	4,154	11,247	4,275	8,102	317
Number of Exchanges	4	15	23	7	14	2
% of Company's Total Access Lines Located in North Dakota*	47.59	99.38	100.00	100.00	93.66	3.53
SELECTED AVERAGES						
Revenue per Access Line	$518.23	$762.23	$677.15	$386.75	$450.97	$879.21
Expense per Access Line	$437.91	$638.88	$576.47	$318.53	$363.60	$751.64
Gross Plant per Access Line	$2,200.22	$3,479.82	$2,989.22	$2,146.67	$1,892.64	$4,168.60

* Where companies had operations in other states, this percentage was used to allocate portions of the revenues, expenses and plant-in-service to North Dakota operations
**Includes Halstad Telephone Company, Mid-Rivers Telephone Cooperative, Inc., Nemont Telephone Cooperative, Inc., and Roberts County Telephone Cooperative Association
*** Includes military operations

TELEPHONE STATISTICS - CLASS "C" AND "D" COMPANIES
NORTH DAKOTA FOR THE YEARS 1985 AND 1986

	1985	1986
Number of companies reporting	5	5
Number of access lines in use	791	794
Total operating revenues	$409,734	$447,582
Total operating expenses	$405,156	$432,770
Average revenue per access line	$517.99	$563.71
Average expense per access line	$512.21	$545.05

Note: Class "C" and "D" companies are small exchange companies

MOTOR TRANSPORTATION COMPANIES
INTRODUCTORY STATEMENT

Motor Transportation Companies engaged in the transportation of property and passengers in North Dakota have been included in this report and have been segregated into the classes as established by State law as follows:

1. Class "A" Common Carriers - Those common carriers by motor operating between fixed termini, over fixed routes on scheduled time.

2. Special Common Motor Carriers - Those common carriers by motor operating over irregular routes, not on scheduled time, at the will and command of the shipper.

3. Contact Motor Carriers - Any person engaged in the transportation of property by motor vehicle for hire, and not otherwise classified as a common carrier as defined above. His services must not be used by more than three consignors.

The figures shown in this report are based on and constitute an abstract of those shown in the Carrier's certified annual reports to the Commission. In each instance, they relate to and include returns only for North Dakota operations. Where total interstate and intrastate operation are reported as a single item by the Carrier, North Dakota operations have been segregated on an appropriate basis.

CLASS "A" MOTOR CARRIERS OF PASSENGERS
CONSOLIDATED STATISTICS OF NORTH DAKOTA OPERATIONS
FOR ALL REPORTING CARRIERS

	1985	1986
	Income Statement	
OPERATING REVENUE		
Passenger Revenue	$2,980,832	$2,484,099
Other Operating Revenue	707,374	880,068
Total Operating Revenues	$3,688,206	$3,364,167
EXPENSES		
Operating Expenses	$3,224,227	$2,807,717
Depreciation	43,132	108,486
Taxes,Licenses (incl.-inc. taxes)	280,869	270,484
Total Expenses	$3,548,228	$3,186,687
NET OPERATING INCOME	$139,978	$177,480
	Operating Statistics	
Vehicle Miles Operated	1,875,906	1,641,414
Number of Carriers Included	11	8
Passengers Carried	76,322	93,609
	Averages (Cents)	
Passenger Revenue per Vehicle Mile	158.9	151.3
Total Revenue per Vehicle Mile	196.6	205.0
Total Expenses per Vehicle Mile	189.1	194.1
Taxes & Licenses per Vehicle Mile	15.0	16.5
Operating Ratio (expense/revenue)	96.2%	94.7%

Note: Approximately 60% of the vehicle miles travelled is that of one major operator who is principally an interstate through haul carrier whose operations have been allocated to North Dakota on a mileage basis.

CLASS "A" MOTOR CARRIERS OF PROPERTY
CONSOLIDATED STATISTICS OF NORTH DAKOTA OPERATIONS FOR ALL REPORTING CARRIERS

	Income Statements		Average Per Vehicle Mile	
	1985	1986	1985	1986
OPERATING REVENUE			(Cents)	(Cents)
Freight Revenue	$15,028,314	$13,499,105	288.82	292.95
Other Operating Revenue	1,351	4,713	0.03	0.10
Total	$15,029,665	$13,503,818	288.84	293.05
EXPENSES				
Operating Expenses	$13,872,420	$12,570,883	266.60	272.81
Depreciation	670,675	602,567	12.89	13.08
Taxes,Licenses (incl. inc. taxes)	422,751	288,353	8.12	6.26
Total	$14,965,846	$13,461,803	287.62	292.14
NET OPERATING INCOME	$63,819	$42,015	1.23	0.91
OPERATING STATISTICS				
Number of Carriers Reporting	10	10		
Vehicle Miles Operated	5,203,409	4,607,978		
Operating Ratio	99.6%	99.7%		

CONTRACT MOTOR CARRIERS OF PROPERTY
CONSOLIDATED STATISTICS OF NORTH DAKOTA OPERATIONS
FOR ALL REPORTING CARRIERS

	1985	1986
	Income Statement	
OPERATING REVENUE		
Freight Revenue	$4,016,920	$4,990,077
Other Operating Revenue	197,460	132,061
Total Operating Revenues	$4,214,380	$5,122,138
EXPENSES		
Operating Expenses	$3,387,908	$3,989,029
Depreciation	258,584	303,445
Taxes,Licenses (incl. inc. taxes)	84,528	147,148
Total Expenses	$3,731,020	$4,439,622
NET OPERATING INCOME	$483,360	$682,516
	Operating Statistics	
Vehicle Miles Operated	3,081,877	3,821,639
Number of Carriers Included	28	29
	Averages (Cents)	
Freight Revenue per Vehicle Mile	130.3	130.6
Total Revenue per Vehicle Mile	136.7	134.0
Total Expenses per Vehicle Mile	121.1	116.2
Taxes & Licenses per Vehicle Mile	2.7	3.9
Operating Ratio (expense/revenue)	88.5%	86.7%

SPECIAL MOTOR CARRIERS OF PROPERTY
CONSOLIDATED STATISTICS OF NORTH DAKOTA OPERATIONS
FOR ALL REPORTING CARRIERS

	1985	1986
	Income Statement	
OPERATING REVENUE		
Freight Revenue	$18,543,139	$16,838,082
Other Operating Revenue	809,744	903,721
Total Operating Revenues	$19,352,883	$17,741,803
EXPENSES		
Operating Expenses	$16,886,259	$15,435,481
Depreciation	1,136,636	948,296
Taxes,Licenses (incl. inc. taxes)	630,956	509,048
Total Expenses	$18,653,851	$16,892,825
NET OPERATING INCOME	$699,032	$848,978
	Operating Statistics	
Vehicle Miles Operated	13,218,010	11,496,675
Number of Carriers Included	108	103
	Averages (Cents)	
Freight Revenue per Vehicle Mile	140.3	146.5
Total Revenue per Vehicle Mile	146.4	154.3
Total Expenses per Vehicle Mile	141.1	146.9
Taxes & Licenses per Vehicle Mile	4.8	4.4
Operating Ratio (expense/revenue)	96.4%	95.2%

SPECIAL PETROLEUM CARRIERS
CONSOLIDATED STATISTICS OF NORTH DAKOTA OPERATIONS
FOR ALL REPORTING CARRIERS

	1985	1986
	Income Statement	
OPERATING REVENUE		
Freight Revenue	$2,501,219	$2,514,807
Other Operating Revenue	19,002	21,544
Total Operating Revenues	$2,520,221	$2,536,351
EXPENSES		
Operating Expenses	$1,625,409	$1,681,175
Purchased Transp. & Rentals	617,100	593,341
Depreciation	24,176	19,761
Taxes,Licenses (incl. inc. taxes)	293,337	164,181
Total Expenses	$2,560,022	$2,458,458
NET OPERATING INCOME	($39,801)	$77,893
	Operating Statistics	
Vehicle Miles Operated	1,593,989	1,637,100
Number of Carriers Included	4	4
	Averages (Cents)	
Freight Revenue per Vehicle Mile	156.9	153.6
Total Revenue per Vehicle Mile	158.1	154.9
Total Expenses per Vehicle Mile	160.6	150.2
Pchsd. Transp. & Rents/Vehicle Mi.	38.7	36.2
Depreciation per Vehicle Mile	1.5	1.2
Taxes & Licenses per Vehicle Mile	18.4	10.0
Operating Ratio (expense/revenue)	101.6%	96.9%

RAILROADS OPERATING IN NORTH DAKOTA
BALANCE SHEETS - ENTIRE SYSTEM
AS OF DECEMBER 31, 1985
($000 omitted)

	Burlington Northern Inc.	Soo Line Railroad	Chicago & Northwestern Railway
ASSETS			
Current Assets	$1,406,929	$176,388	$212,754
Other Assets & Deferred Charges	266,536	28,356	64,831
Transportation Property - Net	6,013,203	909,570	971,201
Total Assets	$7,686,668	$1,114,314	$1,248,786
LIABILITIES			
Current Liabilities	$962,586	$276,718	$267,114
Non-Current Liabilities	3,104,583	434,739	549,023
Stockholders' Equity	3,619,499	402,857	432,649
Total Liabilities & Equity	$7,686,668	$1,114,314	$1,248,786

RAILROADS OPERATING IN NORTH DAKOTA
BALANCE SHEETS - ENTIRE SYSTEM
AS OF DECEMBER 31, 1986

($000 omitted)

	Burlington Northern Inc.	Soo Line Railroad	Chicago & Northwestern Railway
ASSETS			
Current Assets	$1,425,139	$195,692	$226,147
Other Assets & Deferred Charges	296,903	37,877	89,724
Transportation Property - Net	4,983,037	870,329	981,953
Total Assets	$6,705,079	$1,103,898	$1,297,824
LIABILITIES			
Current Liabilities	$1,028,903	$264,387	$271,381
Non-Current Liabilities	2,864,294	474,264	558,065
Stockholders' Equity	2,811,882	365,247	468,378
Total Liabilities & Equity	$6,705,079	$1,103,898	$1,297,824

RAILROADS OPERATING IN NORTH DAKOTA
INCOME STATEMENTS - ENTIRE SYSTEM
FOR THE YEARS 1985 AND 1986
($000 omitted)

	Burlington Northern Inc.	Soo Line Railroad	Chicago & Northwestern Railway
Year 1985			
Railway Operating Revenues	$4,040,540	$600,373	$823,661
Railway Operating Expenses	3,261,664	597,922	825,557
Net Revenue from Railway Operations	$778,876	$2,451	($1,896)
Net Rentals	40	1,060	(69)
Railway Income Tax Accruals	320,620	(9,591)	(6,400)
Net Railway Operating Income	$458,296	$13,102	$4,435
Year-End Miles of Road Operated	26,780	7,975	7,301
Year 1986			
Railway Operating Revenues	$3,732,981	$606,276	$823,586
Railway Operating Expenses	3,628,211	674,412	788,400
Net Revenue from Railway Operations	$104,770	($68,136)	$35,186
Net Rentals	49	1,143	(85)
Railway Income Tax Accruals	40,895	(38,759)	625
Net Railway Operating Income	$63,924	($28,234)	$34,476
Year-End Miles of Road Operated	25,539	7,747	6,305

RAILWAY OPERATING REVENUE EARNED WITHIN NORTH DAKOTA ON INTRASTATE TRAFFIC
CLASS I RAILROADS FOR THE YEARS 1985 AND 1986

	Burlington Northern Inc.	Soo Line Railroad	Chicago & Northwestern Railway	Total
Year 1985				
Freight	$9,436,000	$1,107,000	$3,000	$10,546,000
Switching	134,000		12,000	146,000
Demurrage	517,000	183,000		700,000
Incidental	81,000	43,000		124,000
Total	$10,168,000	$1,333,000	$15,000	$11,516,000
Miles of Road Operated in North Dakota at the Close of Year	3,246	1,319	14	4,579
Year 1986				
Freight	$8,300,000	$1,976,000	$8,000	$10,284,000
Switching	30,000		8,000	38,000
Demurrage	62,000	123,000		185,000
Incidental	73,000	50,000	1,000	124,000
Total	$8,465,000	$2,149,000	$17,000	$10,631,000
Miles of Road Operated in North Dakota at the Close of Year	3,176	1,296	0	4,472

REVENUE FREIGHT ORIGINATING ON ALL RAILROADS IN
NORTH DAKOTA FOR THE YEARS 1985 AND 1986
(Showing Selected Specific Commodities Only)

	1985		1986	
	C.L.	Tons	C.L.	Tons
Barley	21,826	1,956,039	33,623	3,020,557
Corn	3,704	358,360	3,676	352,716
Oats	841	61,665	1,411	107,521
Rye	657	60,397	359	34,900
Wheat	55,206	5,383,832	76,424	7,540,306
Grain, nec	394	19,472	727	33,548
Flaxseeds	392	34,899	840	75,646
Soybeans	2,380	228,728	3,331	322,834
Potatoes, Other than Sweet	2,803	162,238	3,176	183,278
Sugar Beets	0	0	0	0
Field Seeds, except Oil Seeds	37	3,011	111	10,749
Peas, Dry	0	0	0	0
Cattle	0	0	0	0
Calves	0	0	0	0
Hogs & Pigs	0	0	0	0
Sheep & Lambs	0	0	0	0
Sunflower Seeds	9,203	483,720	7,958	407,720
Lignite Coal	21,617	2,009,158	18,507	1,727,603
Meat, Fresh or Chilled	0	0	0	0
Meat, Fresh Frozen	0	0	1	62
Meat Products	0	0	0	0
Dressed Poultry, Fresh & Canned	0	0	0	0
Fresh Frozen Dressed Poultry	0	0	0	0
Creamery Butter	0	0	9	536
Cheese & Special Dairy Products	147	7,511	133	6,154
Wheat Flour, except Blend. & Prep.	2,402	148,607	2,968	183,208
Wool & Mohair, etc.	0	0	0	0
Fertilizers	19	1,615	20	1,929
Cement, Nat. & Portland, etc.	0	0	0	0
TOTALS	121,628	10,919,252	153,274	14,009,267

REVENUE FREIGHT TERMINATING ON ALL RAILROADS IN
NORTH DAKOTA FOR THE YEARS 1985 AND 1986
(Showing Selected Specific Commodities Only)

	1985		1986	
	C.L.	Tons	C.L.	Tons
Barley	2,864	255,865	4,229	379,988
Corn	3	291	172	16,457
Oats	26	1,926	112	8,676
Rye	1	97	1	96
Wheat	2,582	254,184	3,770	372,154
Grain, nec	5	352	1	63
Flaxseeds	112	9,991	243	21,506
Soybeans	21	2,007	2	191
Potatoes, Other than Sweet	7	424	5	309
Sugar Beets	0	0	0	0
Field Seeds, except Oil Seeds	7	509	16	1,103
Peas, Dry	0	0	0	0
Cattle	0	0	0	0
Calves	0	0	0	0
Hogs & Pigs	0	0	0	0
Sheep & Lambs	0	0	0	0
Sunflower Seeds	1,857	95,354	2,845	146,022
Lignite Coal	16,526	1,540,684	14,867	1,392,039
Meat, Fresh or Chilled	0	0	0	0
Meat, Fresh Frozen	0	0	0	0
Meat Products	8	578	11	871
Dressed Poultry, Fresh & Canned	0	0	0	0
Fresh Frozen Dressed Poultry	0	0	0	0
Creamery Butter	3	152	0	0
Cheese & Special Dairy Products	5	256	0	0
Wheat Flour, except Blend. & Prep.	319	15,964	539	29,858
Wool & Mohair, etc.	0	0	0	0
Fertilizers	994	96,531	1,411	137,360
Cement, Nat. & Portland, etc.	662	61,259	1,101	97,711
TOTALS	26,002	2,336,424	29,325	2,604,404

REVENUE FREIGHT ORIGINATING ON ALL RAILROADS IN
NORTH DAKOTA FOR THE YEARS 1985 AND 1986
(Showing All Commodities By General Classes)

	1985		1986	
	C.L.	Tons	C.L.	Tons
Farm Products	99,212	8,860,771	134,617	12,283,575
Forest Products	0	0	0	0
Fresh Fish & Marine Products	0	0	0	0
Metallic Ores	1	31	0	0
Coal	44,419	4,060,779	38,495	3,517,560
Crude Oil, Nat. Gasoline & Gas	0	0	0	0
Nonmetallic Minerals Except Fuels	1,205	118,351	1,060	102,074
Ordnance & Accessories	0	0	0	0
Food & Kindred Products	16,266	1,264,216	21,087	1,633,466
Tobacco Products	0	0	0	0
Textile Mill Products	0	0	0	0
Finished Textile Products	0	0	0	0
Lumber & Products Except Furniture	48	2,903	135	8,021
Furniture & Fixtures	0	0	0	0
Pulp, Paper & Allied Products	64	3,652	42	2,321
Printed Matter	0	0	0	0
Chemicals & Allied Products	9,399	923,792	8,001	790,191
Petroleum & Coal Products	5,184	347,754	3,430	232,026
Rubber & Misc. Plastic Products	10	205	0	0
Leather & Leather Products	0	0	0	0
Stone, Clay, Glass & Concrete Products	21	1,208	69	3,991
Primary Metal Products	3	125	8	513
Fabricated Metal Products Except	0	0	0	0
Ordnance, Mchry., & Transportation	7	241	6	115
Machinery Except Electrical	173	4,566	52	1,280
Elec. Machinery, Equip., & Supplies	1	12	1	12
Transportation Equipment	38	1,481	50	1,592
Instruments, Photo & Optical Goods,	0	0	0	0
Watches & Clocks	0	0	0	0
Misc. Products of Manufacturing	0	0	0	0
Waste & Scrap Materials	663	44,920	777	58,144
Misc. Freight Shipments	5	111	6	122
Shipping Containers Returned Empty	89	1,229	78	921
Freight Forwarder Traffic	0	0	1	2,000
Shipper Ass'n., etc., Traffic	0	0	0	0
Other Mixed Misc. Shipments	103	4,142	83	1,578
TOTAL CL & TON TRAFFIC	176,911	15,640,489	207,998	18,639,502

REVENUE FREIGHT TERMINATING ON ALL RAILROADS IN
NORTH DAKOTA FOR THE YEARS 1985 AND 1986
(Showing All Commodities By General Classes)

	1985		1986	
	C.L.	Tons	C.L.	Tons
Farm Products	7,494	621,591	11,450	951,152
Forest Products	0	0	0	0
Fresh Fish & Marine Products	0	0	0	0
Metallic Ores	0	0	0	0
Coal	19,172	1,797,271	18,510	1,753,997
Crude Oil, Nat. Gasoline & Gas	0	0	0	0
Nonmetallic Minerals Except Fuels	259	20,359	1,282	110,630
Ordnance & Accessories	0	0	2	68
Food & Kindred Products	1,164	63,792	1,371	75,986
Tobacco Products	17	312	2	61
Textile Mill Products	3	48	0	0
Finished Textile Products	0	0	0	0
Lumber & Products Except Furniture	722	44,736	902	58,614
Furniture & Fixtures	106	1,036	90	793
Pulp, Paper & Allied Products	415	22,883	331	18,353
Printed Matter	5	105	0	0
Chemicals & Allied Products	6,450	556,802	8,262	804,598
Petroleum & Coal Products	1,943	149,915	1,797	138,852
Rubber & Misc. Plastic Products	14	146	18	260
Leather & Leather Products	0	0	0	0
Stone, Clay, Glass & Concrete Products	883	73,678	1,346	112,472
Primary Metal Products	141	8,356	113	7,416
Fabricated Metal Products Except Ordnance, Mchry., & Transportation	0 19	0 560	0 16	0 771
Machinery Except Electrical	337	6,998	466	9,418
Elec. Machinery, Equip., & Supplies	7	147	0	0
Transportation Equipment	157	2,079	296	6,830
Instruments, Photo & Optical Goods, Watches & Clocks	0 0	0 0	0 0	0 0
Misc. Products of Manufacturing	0	0	0	0
Waste & Scrap Materials	33	2,478	156	14,317
Misc. Freight Shipments	2	13	1	5
Shipping Containers Returned Empty	81	796	72	591
Freight Forwarder Traffic	0	0	0	0
Shipper Ass'n., etc., Traffic	5	58	20	329
Other Mixed Misc. Shipments	927	13,962	3,739	35,092
TOTAL CL & TON TRAFFIC	40,356	3,388,121	50,242	4,100,613

PUBLIC SERVICE COMMISSION
APPROPRIATION AND EXPENDITURES
For the Biennial Period Ending June 30, 1987

	Apprn. 7-01-85 6-30-87	Adjusted Apprn.	Expended	Balance
Salaries & Wages	$3,830,225	$3,820,025	$3,734,655	$85,370
Operating Expenses	4,331,314	4,290,316	3,508,536	781,780
Data Processing	743,938	526,816	333,369	193,447
Equipment	172,649	314,760	314,168	592
Oil & Gas Metering	163,800	0	0	0
Gas Price Adj.MDU	50,000	50,000	35,730	14,270
TOTAL	$9,291,926	$9,001,917	$7,926,458	$1,075,459

SUMMARY OF FUNDING

General Fund	$4,039,461
Federal Funds	4,814,456
Other Funds*	148,000
TOTAL	$9,001,917

*$98,000 of this appropriation represents pass-through funds from an agreement between coal mining companies and the United States Geological Survey to provide for continued monitoring and recording of certain existing wells and surface water monitoring stations. $50,000 of other funds is authorization to collect from Montana-Dakota Utilities Co. and spend funds for participation in Williston Basin Interstate Pipeline Company cases before the Federal Energy Regulatory Commission.

The appropriation balance of $1,075,459 includes turnback as follows:

Federal Funds	$956,860
State Funds	101,104
Other Funds	17,495
TOTAL	$1,075,459

COST SUMMARY BY PROGRAM
For the Biennial Period Ending June 30, 1987

Administration	
Salaries & Wages	$1,015,003
Operating Expenses	228,172
Data Processing	15,718
Equipment	111,623
TOTAL	$1,370,516
Gas Price Adj.MDU	
Operating Expenses	$35,730
TOTAL	$35,730
Weights & Measures	
Salaries & Wages	$376,611
Operating Expenses	122,127
Equipment	144,614
TOTAL	$643,352

Transportation	
Salaries & Wages	$262,338
Operating Expenses	58,862
Data Processing	50,490
Equipment	150
TOTAL	$371,840
Grain Elevator	
Salaries & Wages	$246,305
Operating Expenses	41,994
Data Processing	47,345
TOTAL	$335,644
Consumer Affairs	
Salaries & Wages	$111,072
Operating Expenses	8,712
TOTAL	$119,784
Public Utilities	
Salaries & Wages	$529,106
Operating Expenses	41,240
Data Processing	126,576
Equipment	525
TOTAL	$697,447
Reclamation (State & Federal Funds)	
Salaries & Wages	$810,294
Operating Expenses	99,062
Data Processing	85,291
Equipment	30,477
TOTAL	$1,025,124
Abandoned Mine Lands (Federal Funds)	
Salaries & Wages	$383,927
Operating Expenses	2,813,593
Data Processing	7,947
Equipment	26,779
TOTAL	$3,232,246
Pass Thru Funds (USGS)	
Operating Expenses	$94,775
TOTAL	$94,775
TOTAL EXPENDITURES	$7,926,458

UTILITY VALUATION REVOLVING FUND
For the Biennial Period Ending June 30, 1987

Fund Cash Balance, July 1, 1985		$34,774
Expenditures:	$130,443.80	
Collections:		
Case No. 10,295, Northern States Power Co. (gas rates)	$ 371.25	
Case No. 10,699/10,694 Access Charges & Investigation	17,720.41	
Case No. 10,733, Montana Dakota Utilities Co. (gas rates)	23,179.69	
Case No. 10,799, Montana Dakota Utilities Co. (electric rates)	61,648.35	
Case No. 10,693, AT&T (telephone rates)	12,584.60	
Case No. 10,884, Cass County vs. NSP	510.00	
Case No. 10,847, AT&T (software defined networks)	160.00	
NW Bell Compensation Study	180.00	
Case No. 10,918, Cass County Electric. vs. NSP	180.00	
Case No. 10,823, Northwestern Bell Telephone (deregulation)	14,135.50	
TOTAL	$130,669.80 *	
Fund Cash Balance, June 30, 1987		$35,000

* Collections include $226.00 1983-85 biennial expenditure which was not collected until the 1985-87 biennium.

PUBLIC SERVICE COMMISSION
INSTITUTIONAL REVENUE
For the Biennial Period Ending June 30, 1987

Scale Inspection Fees	329,368
Miscellaneous Service Fees	5,267
Plant & Transmission Facility Siting Fees	111,400
Roving Grain & Hay Buyer's License Fees	3,150
Weighmasters License Fees	35
Motor Common Carrier License Fees	162,227
Interstate Registration Fees	2,313,563
Grain Storage License Fees	202,918
Public Storage Warehouse License Fees	1,120
Auction Clerk & Auctioneers License Fees	42,100
Coal Mining Permits and Penalties	62,408
Federal Grant - Gas Safety Program	41,715
Gas Pipeline Safety Violation Fines	750
TOTAL	$3,276,021

PSC PERSONNEL
As of June 30, 1987

DIVISION	NAME	CLASSIFICATION	POS. NO.
Administration	Dale V. Sandstrom	Commissioner(Pres.)	1101
	Bruce Hagen	Commissioner	1103
	Leo M. Reinbold	Commissioner	1102
	Janet A. Elkin	Comm. Secretary	1301
	Lynn L Schloesser	Attorney III	1201
	I. Jeffcoat-Sacco	Attorney III	1203
	Jean Barr	Adm. Off. II	1311
	Kathryn Williams	Adm. Asst.I	1111
	Jeanette Filler	Adm. Asst.I	1112
	Charlene Gabriel	Adm. Asst.I	1113
	Carolee Conyne	Legal Asst.I	1211
	Gloria Geiger	Clerk III, GO	1313
	Shelly Bauske	Clerk II, GO	1315
	Steve Kahl	DP Coordinator III	1312
	Kari Goos	DP Coordinator I	1316
Weights & Measures	Bruce Niebergall	Pub.Serv.Spec. II	2001
	Walter Nies	W & M Inspector	2004
	Phyllis Richter	W & M Inspector	2005
	Allen Blasy	W & M Inspector	2006
	James Waagen	W & M Inspector	2007
	David Jordheim	W & M Inspector	2008
	William Bianco, Jr.	W & M Inspector	2009
	Delores Murrey	Clerk Typist II	2011
Transportation	Robert Senger	Pub Serv.Spec. III	3001
	Jon Mielke	Pub.Serv.Spec. III	3004
	Sandi Scott	Adm. Off. I	3011
	Cheryl Neumiller	Adm. Secretary II	3014
Grain Elevator	Maurice Arves	Pub.Serv.Spec. II	4001
	Richard Bresnahan	Pub.Serv.Spec. II	4010
	Robert Barr	Pub.Serv.Spec. I	4012
	Sue Richter	Adm. Secretary III	4011
Reclamation Division	Edward Englerth	Recl.Div.Director	5001
	James Deutsch	Env. Scientist III	5102
	Paul Klebe	Env. Scientist III	5103
	Nirander Safaya	Env. Scientist III	5104
	Kathie Hirsch	Env. Scientist II	5105
	Michael Howe	Env. Engineer II	5106
	William Dodd	Env. Scientist II	5107
	Rodney Kyar	Env. Scientist II	5108
	Michael Spry	Env. Scientist II	5109
	Larry Larson	Env. Engineer III	5110
	James Berg	Env. Scientist II	5111
	Thomas Ness	Env. Scientist II	5112
	Susanna Wittmier	Gnts & Cont.Off.II	5131
	Connie Knell	Adm. Secretary III	5120

Abandoned Mine Lands	Louis Ogaard	Env.Sci Adm. II	5101
	Mark Knell	Env. Engineer III	5113
	Garth Anderson	Env. Scientist III	5114
	Linda Kahl	Adm. Secretary III	5133
Consumer Affairs	Robert Tubbs	Pub.Serv.Spec. II	6001
	Sheryl Holst	Adm. Secretary III	6010
Public Utility	Wallace Owen	Env. Eng. VI	7201
	Patrick Fahn	Env. Eng. III	7203
	Vacant	Accountant V	7101
	Howard Cotton	Auditor IV	7103
	Curtis Roberts	Pub.Serv.Spec. I	7302
	Sharon Helbling	Adm. Secretary III	7211